

Comprehensive CV

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I. Education and Training

Associate Degree in Agriculture. Tribhuvan University, Institute of Agriculture and Animal Sciences, Kathmandu, Nepal (1979-1982). Top-ranked graduate of the university.

B.Sc. (Honors) in Agriculture (Agricultural Economics). Himachal Pradesh Agriculture University, Solan, India (1983-1987; USAID Fellow). Top-ranked/Gold medalist.

M.S. Entomology, University of Wisconsin-Madison, Wisconsin, USA (1990-1991).

Ph.D. Entomology, University of Wisconsin-Madison, Wisconsin, USA (1991-1994).

Texas A&M Advanced Leadership Program (2-year leadership training program), Texas A&M University (2016-2018); Program Executive Member (2018-2020).

II. Professional Experience

Current Positions

- Sep 2010-current Professor, Faculty Fellow, and Regents Fellow/Cotton Entomology Program Leader, Texas A&M University Research Center, Lubbock, TX.
- Mar 2021-current Texas A&M AgriLife Task Force Fellow for International Research and Development, College Station, TX.
- Jan 2004-current Adjunct Professor/Graduate Faculty, Texas Tech University, Department of Biological Sciences, Lubbock, TX.
- Sep 2014-current Honorary Professor, Department of Entomology, College of Plant Protection, Nanjing Agricultural University, Nanjing, China.

Past Positions and Experiences

- Jul 1987-Jan 1990 Assistant Lecturer, Department of Entomology, Tribhuvan University, Institute of Agriculture, Rampur, Nepal.
- Jan 1990-May 1994 Research Assistant, Department of Entomology, UW-Madison, WI.
- Jun 1994-Jun 1996 Postdoctoral Research Associate, Department of Entomology, Texas A&M University, College Station, TX.
- Jul 1996-Jan 2000 Research Associate, Texas A&M University Center, Vernon, TX.
- Feb 2000-Aug 2001 Research Scientist, Texas A&M University Center, Vernon, TX.
- Sep 2001-Aug 2006 Assistant Professor and Cotton Entomology Program Leader, Texas A&M University AgriLife Research (research 75%) and Texas Tech University (TTU) Plant & Soil Science (teaching 25%), Lubbock, TX.
- Sep 2006-Aug 2010 Associate Professor and Cotton Entomology Program Leader, Texas A&M University (75%) and TTU (25%), Lubbock, TX.



III. Teaching

Program Statement, Teaching Philosophy, and Accomplishment

Dr. Parajulee had a joint appointment of research (75% Texas A&M University AgriLife Research) and teaching (25% Texas Tech University Plant and Soil Science Department) from September 2001 to August 2012. He was expected to teach one course per year as part of his 25% teaching appointment with TTU. Because he taught two courses (Advanced Insect Ecology and Economic Entomology), both graduate level courses, he offered these courses in alternate years. In addition, he taught a piggyback undergraduate course, Integrated Pest Management, simultaneously with Economic Entomology, until 2008. He also offered special topic courses on insect morphometry, molecular entomology, and cotton IPM field research every year.

Because Dr. Parajulee's teaching appointment was with Texas Tech University, which is about 10 miles from the Lubbock R&E Center, this portion of his appointment required extra effort and careful planning to balance research and teaching efforts at two institutions. Nevertheless, his passion for teaching made this joint task very rewarding. His commitment to this activity has been reflected on his teaching evaluations. Dr. Parajulee received an overall student evaluation rating of 4.83 (out of 5.00) during the 10 years of teaching. This level of rating put him at or near the top amongst the departmental faculty (total of 23). The primary objectives of Dr. Parajulee's teaching program were to educate students about ecological concepts applicable to integrating pest management strategies, with a broad objective of reducing unilateral reliance on chemical control and advancing the use of biological and cultural methods. He places a high premium on students learning the concepts and the processes as to 'how' and 'why' rather than 'what,' to motivate students to be able to learn on their own without being overwhelmed by complexity. Sixteen students have earned M.S. and four have earned Ph.D. degrees through his program during the last 20 years. He has high expectations of his graduate students, but he also takes a high degree of responsibility to ensure their proper training and marketability after graduation.

Teaching Seminar and Guest Lectures

- Co-taught a graduate seminar class (Spring, 2005) at Texas Tech University, with special emphasis on preparation of effective oral and poster presentations.
- Invited speaker in Plant and Soil Science Seminar Class, April 24, 2004. Title: *Practical comments on experimental design and analysis of field research data.*
- Invited speaker in Plant and Soil Science Seminar Class, February 14, 2005. Title: *Entomology and human life: An amazing relationship.*
- Invited speaker in Plant and Soil Science for a 3-hour guest lecture on Turf Insect Pest Management, February 13, 2007. Title: *Integrated pest management in turf ecosystems.*
- Guest lecture on Agricultural Compounds/Pesticides course at TTU Plant and Soil Science Department, April 5, 2013. Title: *Pesticides in Cotton IPM.*
- Invited speaker at Pokhara University, Nepal, May 7, 2014. Title: *Writing a Technical/Research Report.* A 4-hour session including lecture and practicum.
- Invited speaker at Rajdhani Model College in Kathmandu, Nepal, May 22, 2014. Title: *Writing a Technical Report.* A 4-hour session including lecture and practicum.
- Guest lecture on Agricultural Compounds/Pesticides course at TTU Plant and Soil Science Department, February 21, 2018. Title: *Insecticidal Transgenic Crops and Generations of Bt in Cotton IPM.*

Direction of Graduate Students

1. Current students: Pius Bradicich, M.S. student Committee (TAMU)
Wilfrid Calvin, PhD student committee (TAMU)
2. Graduate Council Representative on Doctoral Advisory Committees:
 - Eric Raymond Paul, Ph.D., Department of Biological Sciences (May 2006).
 - Sujatha Venkataramani, Ph.D., Department of Biological Sciences (Dec. 2006).
 - Nilesh Chitnis, Ph.D., Department of Biological Sciences (Dec. 2007).
 - Vijaykumar Veerappan, Ph.D., Department of Biological Sciences (May 2008).
 - Justin Weinheimer, Ph.D., Department of Agricultural Applied Economics (Dec. 2008).
 - Binod Maharjan, Ph.D., Department of Industrial Engineering (Dec. 2010).
 - Nicholas N. Denwar, Ph.D., Department of Plant and Soil Science (Dec. 2010).
 - Shyam Adhikari, Ph.D., Department of Agric. and Applied Economics (May 2011).
 - Dil Kumar Gurung, Ph.D., Department of Mechanical Engineering (Dec. 2011).
 - Benjamin Williams, Ph.D., Department of Clinical Psychology (Dec. 2011).
 - Hongtao Ma, Ph.D., Department of Biological Sciences (May 2012).
 - Avi Sapkota, Ph.D., Department of Animal Science (Dec. 2012).
 - Samujjwal Bhandari, Ph.D., Department of Computer Science (Dec. 2013).
 - Shannon N. Dial, Ph.D., Department of Marriage and Family Therapy (May 2014).
 - Shiva S. Rai, Ph.D., Department of Mathematics and Statistics (December 2017).
3. Students Graduated as Major/Co-Advisor:
 - i. **Bryan Edgar Henson, M.S.**, Development and survivorship of the cotton aphid, *Aphis gossypii* Glover, on selected cotton race stocks, May 2004. Employed by Bayer CropScience, Lubbock, TX.
 - ii. **Padma Latha Bommireddy, M.S.**, Effect of irrigation regimes on crop phenology and arthropod populations in Texas, August 2004. Ph.D. from Louisiana State University. Field Crop Entomologist with Monsanto, Bangalore, India.
 - iii. **Andy M. Cranmer, M.S.**, Influence of planting date and cotton cultivar on *Lygus* and fleahopper abundance in the Texas High Plains and the relationship between boll age and *Lygus hesperus* damage, August 2004. Farm Manager with DuPont Pioneer, Hermiston, OR.
 - iv. **Ram B. Shrestha, M.S.**, Ecology of arthropods in Texas High Plains cotton and development of sampling plans for selected cotton pests, August 2004. Also obtained a Ph.D. (Biology) with Dr. Parajulee (see below).
 - v. **Anand P. Sapkota, M.S.**, Population dynamics of *Aphis gossypii* in cotton: Laboratory studies and field validation, December 2004. Managing Director of a Private Consulting Firm, Pokhara, Nepal.
 - vi. **Apurba K. Barman, M.S.**, *Lygus hesperus* in the Texas High Plains: Cotton compensation after fruit damage and host plant selection with implications for cotton IPM, December 2006. Also obtained a PhD with Parajulee (see below).
 - vii. **Walter A. Albeldaño, M.S.**, Influence of irrigation and tillage system on cotton fleahopper (*Pseudatomoscelis seriatus*) activity in the Texas Rolling Plains, December 2007. Currently an agricultural consultant in California.
 - viii. **Ebenezer Ato Ewusie, M.S.**, Potentials and prospects of strip cropping in the management of cassava whitefly (*Bemisia tabaci*) in peri-urban agroecosystems, August 2008. Lecturer, Radford University College, Accra, Ghana.
 - ix. **Chen Chen, M.S.**, Life history parameters and population dynamics behavior of *Lygus hesperus* in selected hosts, June 2009. Current status unknown.
 - x. **Teresa M. Cross, M.S.**, Non-thesis option, August 2010. Current status unknown.

- xi. **Mahendra B. Adhikari, M.S.**, Non-thesis option, May 2010. Currently managing a private enterprise in Gary, IN.
 - xii. **Abhilash Balachandran, M.S.**, Residual toxicity and sublethal effects of insecticides on oviposition behavior of *Lygus hesperus* in cotton, May 2010. Biologist II-Discovery Biology, Dow AgroSciences, Indianapolis, IN.
 - xiii. **Diwash Neupane, M.S.**, The impacts of water and nitrogen use on cotton lint yield and quality: An econometric analysis, May 2010. Researcher, University of Florida, Gainesville, FL.
 - xiv. **Anup Bastola, M.S.**, Arthropod community structures and convergent lady beetle intercrop movement behavior in adjacent cotton and alfalfa, May 2011. Ph.D., Louisiana State University, Baton Rouge, LA.
 - xv. **Ram B. Shrestha, Ph.D.**, Ontogenic morphometry and genetic diversity of *Lygus hesperus* (Hemiptera: Miridae), May 2011. Research Scientist at USDA ARS, Ames, IA.
 - xvi. **Angela J. Fernando, M.S.**, Investigation of the cold tolerance and overwintering behavior of *Lygus hesperus* (Hemiptera: Miridae), May 2011. Currently in Colombia.
 - xvii. **Apurba K. Barman, Ph.D.**, The interactive effect of geographic and host-plant species on genetic and phenotypic variation of cotton fleahopper populations, December 2011. Currently a Research Scientist at University of Georgia.
 - xviii. **Justin Fiene, Ph.D.**, Effects of drought-stress on cotton (*Gossypium hirsutum* L.) and host-plant resistance to western flower thrips (*Frankliniella occidentalis* Pergande), December 2012. Current status unknown.
 - xix. **Saranya Ganapathy, Ph.D.**, Use of an insecticidal-iridoviral kinase towards the development of aphid resistant plants, August 2015. Currently an Associate Scientist, Clone Development Team, Lupin Ltd. Biotech Division, Pune, India.
 - xx. **Chandra K. Dhakal, M.S.**, Cotton yield response and dynamic optimization of nitrogen in Texas High Plains, August 2016. Currently a Ph.D. student at University of Georgia.
4. Students Graduated as Committee Member:
- i. **Manoj Banjara, M.S.**, Expression of the *AtNHX1* gene in peanut to increase salt tolerance in peanut plants, August 2010, Texas Tech University, Lubbock, TX.
 - ii. **N. Ravi Kumar, Ph.D.**, Motion tracking of insects in image sequence, December 2008, National Institute of Technology, Tamil Nadu, India.
 - iii. **K. Rajkumar, Ph.D.**, Study on polyphagous membracids in Thiruvallur district in Tamil Nadu, May 2010, University of Madras, Chennai, India.
 - iv. **Samuel Tennyson, Ph.D.**, Studies on the mosquitocidal activity of *Ageratum houstonianum* Mill. (Asteraceae) against vector mosquitoes, December 2010, University of Madras, Chennai, India.
 - v. **Jaswanth Kanumuri, M.S.**, Non-thesis option, August 2011, Texas Tech University, Lubbock, TX.
 - vi. **Stephanie Lockwood, Ph.D.**, Function and anti-microbial activity of poison sac proteins from queen red imported fire ants (Formicidae: *Solenopsis invicta*), December 2011, Texas Tech University, Biological Sciences, Lubbock, TX.
 - vii. **M. Salahudeen, Ph.D.**, Study on abundance and diversity of soil mites (Acari: Oribatida) of Mukurthi National Park (Western Ghats) and selected agricultural lands of Tamil Nadu, South India, August 2014, Bharathiar University, Coimbatore, India.
 - viii. **C. Panneerselvam, Ph.D.**, Studies on the mosquitocidal and anti-malarial effect of synthesized silver nanoparticles from *Pteridium aquilinum*, December 2014,

- Bharathiar University, Coimbatore, India.
- ix. **Rupa Nair, Ph.D.**, Biochemistry and molecular biology of Cry1Ac resistance in cotton bollworm, *Helicoverpa armigera*, December 2014, Indraprastha University, New Delhi, India.
 - x. **A. Sharmila Banu, Ph.D.**, A study of poultry diseases and health issues of women workers in poultry farm, Coimbatore District, South India, August 2015, Bharathiar University, Coimbatore, India.
 - xi. **Syed Shahzad Ali, Ph.D.**, Effect of agrochemicals on damage compensation of spotted bollworm, *Earias vittella* L., infestation and yield components in cotton, May 2015, Department of Entomology, Sindh Agriculture University, Tandojam, Sindh, Pakistan.
 - xii. **Dylan Q. Wann, Ph.D.**, Breeding value and utilization of host plant resistance for integrated thrips (Thysanoptera: Thripidae) management in cotton (*Gossypium* spp.), May 2015, Texas Tech University, Plant and Soil Sciences, Lubbock, TX.
 - xiii. **Carrie Deans, Ph.D.**, The interaction between nutrition and insect stress response in a cotton model system, May 2015, Texas A&M University, Department of Entomology, College Station, TX.
 - xiv. **K. Vijayakumar, Ph.D.**, Ecotoxicological studies on river Periyar, Ernakulum district, Kerala with reference to pesticide pollution, December 2016, Kongunadu Arts and Science College, Coimbatore, India.
 - xv. **M. Elanchezian, Ph.D.**, Diversity of moths (Lepidoptera: Heterocera), molecular phylogenetic analysis and docking of host plants in Mukurthi National Park, Western Ghats, India, December 2016, Bharathiar University, Coimbatore, India.
 - xvi. **A. Agnes Deepa, Ph.D.**, Host plant interaction, biochemical analysis and molecular docking of Pyrgomorphidae in selected zones of Western Ghats, India, December 2016, Bharathiar University, Coimbatore, India.
 - xvii. **Juliette Jordan, Ph.D.**, Determination of carbon nanotube effects on plant phenotype, plant physiology, and bollworm development, December 2018, Texas Tech University, Lubbock, Texas.
 - xviii. **Muhammad Fiaz, Ph.D.**, Biorational approaches for the management of Asian citrus psyllid, *Diaphorina citri* Kuwayama (Hemiptera: Psyllidae), May 2019, University of Sargodha, Pakistan.
 - xix. **Mubassir Sohail, Ph.D.**, Greater wax moth (*Galleria mellonella* L.): A major threat to honeybee colonies and its management by some ecofriendly techniques, May 2019, University of Sargodha, Pakistan.
 - xx. **James P. Glover, Ph.D.**, Species comparisons of boll-feeding sucking bugs on cotton: Economic injury, disease transmission, and movement, May 2019, Texas &M University, College Station, Texas.
 - xxi. **R. S. Suresh Kumar, Ph.D.**, Studies on the insect pest complex in hybrid maize and their management, May 2020, Annamalai University, Annamalainagar, Tamilnadu, India.
 - xxii. **Lauren K. Crumley, MS**, Efficacy of neonicotinoid seed treatments in cotton on thrips and thrips community composition in cotton in Texas, December 2020, Texas &M University, College Station, Texas.
 - xxiii. **Hafiz Abdul Ghafoor, Ph.D.**, Integrated management of mealybug (Hemiptera: Pseudococcidae) infestation on citrus in district Sargodha, December 2020, University of Sargodha, Pakistan.
 - xxiv. **Sanjaya Bista, Ph.D.**, Development of colony management practices for the western honeybee (*Apis mellifera* L.) in mid-hill and plain areas of central Nepal, December 2020, Tribhuvan University, Kathmandu, Nepal.
 - xxv. **K. Gowthish, Ph.D.**, Studies on the pesticidal activity of seaweeds in eastern coast

ecosystem of Tamil Nadu against *Spodoptera litura* (F.) (Noctuidae: Lepidoptera), December 2020, Annamalai University, Annamalainagar, Tamilnadu, India.

Cumulative summary of graduate student advising (career total)

Degree	Served as	
	Chair/Co-Chair	Committee Member
M.S.	16	4
Ph.D.	4	21
Total	20	25

5. Visiting Scientists Supervised:

- **Dr. Fajun Chen**, Professor, Nanjing Agricultural University, Nanjing, China (Jan 2011-Jan 2012).
- **Dr. Feng Ge**, Professor and Director of Institute of Zoology, Chinese Academy of Sciences, Beijing, China (Jan-Feb 2003; Jul-Oct 2003).
- **Tahammal Hussain**, Research Scholar, University of Agriculture, Faisalabad, Pakistan (May-Oct 2016).
- **Muhammad Ismail**, Research Scholar, University of Sargodha, Sargodha, Pakistan (April-Oct 2017).
- **Dr. Ziyang NanGong**, Associate Professor, Hebei Agriculture University, China (March 2019-March 2020).

Mentoring of Undergraduate Students

- **Sarah Owens**, Howard Hughes Medical Institute Fellow, May-Aug 2003
- **Sarah Richey**, Howard Hughes Medical Institute Fellow, Sep 2007-Aug 2008
- **Taylor Person**, Texas A&M AgriLife Extension Intern, May-Aug 2012.

Recognition of Teaching Activities

- Selected to serve on a Panel of the Delphi study (coordinated by Iowa State University, Ames, IA) to evaluate the success of the Higher Education Challenge Grant of the Cooperative State Research, Extension, and Education Services (CSREES), USDA., November 2005 to April 2006.
- Every student in the Program received one or more competitive fellowships and/or professional student awards.

IV. Research

Program Statement

The mission of Texas A&M AgriLife Research is “to conduct basic and applied research programs for the benefit of the consumers and agricultural industry; maintain and enhance the environment and natural resources; insure a safe, wholesome and affordable supply of agricultural products; and contribute to the state's economic viability, especially in the rural areas.” Texas A&M AgriLife Research-Lubbock is the largest of the 13 Research and Extension Centers of the Texas A&M University System and was established in 1909 to serve the people of the Texas High Plains. Dr. Parajulee has been fortunate for the past 18 years at the Lubbock Center to help maintain and enhance a strong and effective program in Cotton Entomology that contributes to the Texas A&M AgriLife Research mission. He is dedicated to the goal of



transcending clientele expectations and serving science and society through the tripartite mission of the land-grant university system.

Cotton is a major agricultural crop in the Texas High Plains, producing over 5,000,000 bales of cotton valued at over \$2,000,000,000 per year. This represents an average of 30% of U.S. cotton and approximately 4% of world cotton; the primary reason for choosing Lubbock as the venue for the *Fourth World Cotton Research Conference* in 2007, for which Dr. Parajulee served as the Program Chair for the Cotton Arthropod section and a Planning Committee member for the 'World Conference'. The Texas High Plains constitutes the most concentrated area of cotton production in the world. Because of the enormity of the cotton enterprise in the Texas High Plains, major allied agricultural industries (ginning, seed, fertilizer, and chemical companies) also reside in this area. Thus, even a small percentage of crop loss in the Texas High Plains due to insects and/or other pests renders a substantial economic impact on the entire cotton industry. The Texas High Plains annual loss attributable to arthropod pests ranged from 1 to 21%, causing an average loss of over \$100 million per year in the last 20 years, but the insect-pest inflicted cotton yield has been significantly reduced in the last 7-8 years (see below on *Impact of Research*).

Much of the cotton insect management research in Texas for three decades into the late 1990s emphasized the ecology and management of the cotton boll weevil. Boll weevil has now been functionally eradicated from the system, except in the Texas Lower Rio Grande Valley, for over 15 years and the focus of arthropod management research has changed significantly. A potential shift in the insect pest complex has resulted from contributions from boll weevil eradication, new crop technologies (transgenic and high fiber yielding cultivars), safer pesticide chemistries, high-input cropping systems, and highly efficient irrigation systems (low energy precision application and sub-surface drip irrigation). Adoption of transgenic cotton cultivars conferring resistance to lepidopteran pests has increased from 5% in 2001 to 70% in current years, reducing the insecticide load in cotton insect management even further. In addition, increased public concern for environmental safety and questions regarding sustainability of present crop protection practices has placed a premium on the development of integrated approaches to pest management. Often, the integration of these approaches has been hindered due to lack of understanding of the biology and ecology of target pests and a heavy reliance on insecticides. The AgriLife Research Cotton Entomology Program emphasizes the need for a greater understanding of the factors that enable the integration of different pest management approaches, with a broad objective of reducing unilateral reliance on chemical control and advancing the use of ecological methods. Thus, the scope of this research program is reflected in Parajulee's Hatch Project "*Ecologically Intensive Arthropod Pest Management in Cotton Agroecosystems in the Texas High Plains.*"

Research Philosophy and Outcome

Dr. Parajulee's research philosophy in the off-campus Research Center setting is that a strong research-extension partnership is vital. Based on this philosophy, he has forged a strong research-outreach partnership with his extension counterpart throughout his time in this position. The two programs (Research and Extension) are thus operationally merged into what is called **Cotton Entomology Program** to enhance the research-extension partnership and provide synergism to both mission-oriented programs. This arrangement has allowed resource sharing (space, manpower, equipment, and research funds) to increase work efficiency, reduce redundancy, and help secure extramural funds. The joint program has allowed a smooth transition from more basic problem-solving research to grower adoption of translational research. Dr. Parajulee strongly believes in stakeholder participation while formulating translational research projects to ensure the stakeholder "buy-in" of the research outcome. During the last 21 years, the Cotton Entomology Program has invested significant effort in elucidating the ecology and behavior of cotton arthropods with the aim of developing a systems approach to pest management.

Impact of Research

While a large body of significant contributions to the science of entomology/cotton entomology has been made through research publication and presentation, the following are some of the research projects during the last 21 years that have resulted in translational outcomes that Texas High Plains cotton producers have used in their production decision making (significant impact):

1. *Understanding Lygus population dynamics across the cropping landscape to elucidate the Lygus movement between cotton and non-cotton hosts.* We have found that *Lygus* prefers roadside weed vegetation over adjacent cotton until cotton enters the peak flowering stage. Thus, insecticide intervention for early season *Lygus* management is unnecessary. Coupled with this *Lygus* behavioral attribute of early season cotton “avoidance” is the ability of cotton to tolerate/compensate for up to 30% of *Lygus*-induced early fruit loss. Our growers have already used this information and managed their cotton based upon our recommendations (per our producer survey, March 2009). Our survey indicated that 70% of farmers surveyed would not use insecticides to manage early season *Lygus* populations, with 18% saying they would rarely do so. The shift from complete reliance upon chemical insecticides irrespective of crop phenology, as recently as 7-8 years ago, to conscientious grower behavior and perceptions is a tremendous leap forward for integrated pest management and ecological sustainability. Dr. Parajulee takes the greatest pride in this technological adoption by our area growers. Overall insecticide use frequency for cotton insect management in the High Plains has declined by 71% during the last 10 years from that seen during the period 10 years prior to Dr. Parajulee’s leading the Cotton Entomology Program. While Dr. Parajulee does not assume full credit for this decline, or for other technological changes which occurred during this period, the impact of Cotton Entomology Program research and outreach on area cotton producers has been significant.
2. *Economic evaluation of the merits of sub-threshold effects of Bollgard technology on bollworm management economics.* The Texas High Plains grower adoption rate of transgenic Bollgard cotton was 5% in 2001 when boll weevil eradication program had nearly eliminated the weevil as a pest from the system. In addition to the agronomic benefit of Bollgard technology, which, at the sub-threshold level, justifies its adoption in irrigated production systems, research has demonstrated increases in profitability exceeding \$100.00/acre in Bollgard systems. The *Bt* adoption rate now exceeds 70%.
3. *Economic threshold and management recommendations for Lygus in Texas High Plains cotton.* Ongoing studies are underway to develop economic threshold-based management recommendations for *Lygus* in Texas High Plains cotton, thereby aiming to minimize economic losses to producers. We have established a heat unit-based insecticide termination rule for late season *Lygus* management. After bolls are 2-wk old, *Lygus* cause insignificant seed damage, which as expected, also does not result in significant lint yield loss. Cotton bolls are generally safe from *Lygus* damage when they reach >28 mm diameter. Cotton boll feeding preferences of *Lygus*, within-plant boll distribution profile, and *Lygus* damage to cotton bolls at various *Lygus* densities have been characterized.
4. *Plant bug management in water-deficit cotton production system.* Controlled field studies quantified the impact of plant bug infestations under a range of water levels on Texas High Plains cotton, showing 40-50% greater impact of plant bugs in dryland production compared to that in full irrigation system.
5. *Economics of insect-pest management in cotton.* A multi-year study at AGCARES farm demonstrated that an acute infestation of cotton fleahoppers on pre-flower irrigated cotton can cause a \$73/acre net loss, if not controlled, signifying the value of early fruit retention in high input cotton production. A control cost of \$7/acre would save farmers \$67/acre.

6. *Nitrogen fertility and insect-pest management in cotton.* A 5-year study showed that cotton lint yield was not significantly impacted by ~25% fleahopper-induced square loss under nitrogen deficient or high nitrogen (200 lb/acre) conditions, either via pruning of undesirable fruit load (zero N) or compensation of lost fruits (200 lb N), whereas lint yield was significantly lower in 100 lb/acre plots, demonstrating that the plant response to cotton fleahopper injury is greatly influenced by nitrogen fertility rate.

Current Research Projects

The following list provides the diversity of research projects that are currently being conducted in the Cotton Entomology Program. For joint projects, major collaborators are listed in parentheses.

1. Developing insect-pest management strategies in water-deficit cotton production systems: Management recommendations for production sustainability (Mike Toews, Univ. of GA).
2. Cotton compensatory response to cotton fleahopper-induced fruit loss in relation to varying levels of water stress (Katie Lewis, TAMU Soil and Crop Science).
3. Long-term monitoring of seasonal activity patterns of bollworm, tobacco budworm, and beet armyworm moths in the Texas High Plains.
4. Effect of *Lygus* on drought-stressed cotton (Abdul Hakeem, TAMU AgriLife).
5. Quantifying the effect of soil applied nitrogen on cotton compensatory potential.
6. Compensatory potential of cotton: Cotton cultivar x irrigation water level interaction.

V. Extension

Dr. Parajulee does not have a formal Extension appointment. However, the off-campus research faculty positions come with a certain level of Extension role or expectations from its constituencies by its nature. Also, Dr. Parajulee's program philosophy (i.e., strong research-extension partnership to serve the clientele as one Texas AgriLife unit rather than the service coming from AgriLife Research and AgriLife Extension separately) dictates that a visible outreach role becomes a part of his overall Program. Much of his Extension role is to support his counterpart in providing timely information to target clientele and collaborate with him on applied research. Dr. Parajulee led both research and Extension activities in 2006-2007, 2012-2013, and 2015-2016 when the AgriLife Extension entomology position was vacant. He worked with Extension faculty across multiple disciplines, IPM agents, producers, consultants, and industry partners to transition the active Extension program during those vacancies. Dr. Parajulee served on statewide cotton entomology extension role during those transition years to provide cotton insect loss and insecticide use data to National Cotton Council.

Extension presentations

- Parajulee, M. N. 2001. *Overview of cotton entomology research in Lubbock.* Entomology Guide Revision Conference, Texas A&M University, October 30, College Station, TX.
- Parajulee, M. N. 2002. *Cotton entomology research program at the Lubbock Center.* High Plains Association of Crop Consultants (HPACC) Annual Meeting, March 5, Lubbock, TX.
- Parajulee, M. N. 2002. *Lygus and other plant bugs: An emerging issue in the Texas High Plains.* West Texas Cotton IPM Conference, March 6, Lubbock, TX.
- Parajulee, M. N. 2003. *High Plains cotton entomology: Issues and answers.* West Texas Agricultural Chemicals Institute Annual Conference, September 16, Lubbock, TX.
- Parajulee, M. N. 2004. *Ecological differences in Lygus bugs and management challenges for the Texas High Plains.* HPACC Annual Meeting, February 24, Lubbock, TX.
- Parajulee, M. N. 2005. *Lygus hesperus: Host-plant sequencing and preference.* Entomology Guide Revision Conference, Texas A&M University, October 26, College Station, TX.

- Parajulee, M. N. 2006. Compensation of *Lygus*-induced fruit loss in cotton. High Plains Association of Crop Consultants Meeting, March 7, Lubbock, TX.
- Parajulee, M. N. 2007. How much early fruit loss can cotton tolerate? High Plains Association of Crop Consultants Meeting, March 6, Lubbock, TX.
- Parajulee, M. N. 2008. Cotton compensation of *Lygus* induced fruit loss. High Plains Association of Crop Consultants (HPACC) Meeting, March 4, Lubbock, TX.
- Parajulee, M. N. and S. C. Carroll. 2008. Pyrethroid resistance monitoring in bollworms in the Texas High Plains. HPACC Meeting, March 4, Lubbock, TX.
- Parajulee, M. N. 2009. *Lygus* bugs: Their alternate host plants and cotton boll susceptibility. HPACC Meeting, March 3, Lubbock, TX.
- Parajulee, M. N. 2011. Management of *Lygus* bugs in the Texas High Plains. HPACC annual meeting, March 1-2, Lubbock, TX.
- Parajulee, M. N. 2012. Management of *Lygus* in the Texas High Plains. HPACC annual meeting, March 5-6, Lubbock, TX.
- Parajulee, M. N. 2015. Cotton insect pest management in the Texas High Plains. HPACC annual meeting, March 3-4, Lubbock, TX.
- Parajulee, M. N. 2016. Cotton insect management in the Texas High Plains. HPACC annual meeting, March 1-2, Lubbock, TX.
- Parajulee, M. N. 2017. Cotton insect management in the Texas High Plains. HPACC annual meeting, March 7-8, Lubbock, TX.

Online video

Parajulee, M. N. 2015. *Lygus* management in Texas High Plains cotton. <http://www.plantmanagementnetwork.org/edcenter/seminars/cotton/LygusManagement/> Video developed in collaboration with Cotton Incorporated and Plant Management Network.

Published Interview

Parajulee, M. N. 2016. Interview published in *KAROBAR*, a Nepali National Business Daily newspaper on the topic of international agriculture and sustainability.

Field day presentations

- Economic evaluation of arthropod management in conservation tillage system in cotton. Annual Field Day at the Agricultural Complex for Advanced Research and Extension System farm, Lamesa, TX. Gave 30-minute presentation to the participating cotton producers (50 attended); graduate student (R. B. Shrestha) and research scientist (Stanley Carroll) participated in the presentation. Sep. 10, 2003.
- Economic evaluation of Bollgard technology for the Texas High Plains. Monsanto Field Day at the Helms Farm, Halfway, TX. Gave a 30-minute presentation to the participating cotton producers (100 attended). Aug. 3, 2004.
- Attended Monsanto Extensive Cotton Experience Tour with producers and industry representatives and participated in grower discussion of pest management issues, Lubbock, TX, Sep. 27, 2006.
- Four 10-minute field talks to the World Cotton Research Conference attendees at the TAES Helms farm tour on “Role of nitrogen fertility on arthropod management in drip irrigated cotton,” Sep. 14, 2007.
- Cotton cropping system research: Insect management component. Ag-Cares Field Day and Grower Appreciation Meeting, Aug. 12, 2009, Lamesa, TX. (10-minute presentation).
- Nitrogen fertility and cotton pest management: A cropping systems approach. Subsurface Irrigation Technology Field Day, Aug. 25, 2009, Halfway, TX. (10-minute presentation).

- Three 10-minute field talks to the Lubbock Center Centennial Field Day participants at the Texas AgriLife farm tour on “100 years of insect research in the High Plains and a system approach to cotton production,” Sep. 17, 2009.
- Cotton cropping system research: Insect management component. Ag-Cares Annual Field Day, Aug. 26, 2010, Lamesa, TX. (10-minute field research demonstration talk).
- Texas Organic Cotton Field Day, Oct. 7, 2010, Lubbock, Hockley, Hale and Parmer counties, TX (all-day field tour of organic cotton production farms and discussion of pest management issues in organic production systems).
- Texas Organic Cotton Field Day, Oct. 23, 2012, Lubbock, Dawson, and Hockley counties, TX (all-day field tour of organic cotton production farms, gins, USDA Classing Office, and discussion of pest management issues in organic production systems).
- Texas Organic Cotton Field Day, Oct. 29, 2013, Lubbock and Hockley counties, TX (all-day field tour of organic cotton farms and discussion of pest management issues).
- Texas Organic Cotton Field Day, Sep. 30, 2014, Lubbock, Hockley, and Crosby counties, TX (all-day field tour of organic cotton farms and discussion of pest management issues).
- Texas Organic Cotton Field Day, Oct. 20, 2015, Lubbock, Hockley, and Dawson counties, TX (all-day field tour of organic cotton farms and discussion of pest management issues).
- Texas Organic Cotton Field Day, Oct. 18, 2016, Lubbock, Hockley, and Dawson counties, TX (all-day field tour of organic cotton farms and discussion of pest management issues).
- Texas Organic Cotton Field Day, Oct. 2, 2018, Lubbock, Hockley, and Dawson counties, TX (all-day field tour of organic cotton production farms and discussion of pest management issues in organic production systems).

Other Extension activities

- Provided an interview on a radio call-in show, "The AgEd Show," KRFE AM 580, Lubbock, TX. Discussion topic-cotton insect management. June 4, 2003.
- Demonstration and lectures to public visiting the “Buggology” program at Science Spectrum, Lubbock, TX, throughout the day (500 people in attendance). Also, involved 4 graduate students to help the entomology-awareness public outreach program. March 6, 2004.
- Displayed a 3-day “Insect Booth” at the Lubbock Science Spectrum “Crittterfest 2007” and gave live demonstration and lectures on insect feeding, growth and development, and insect management in field crops (5,700 people in attendance). Also, involved 6 graduate students to help the entomology-awareness public outreach program. June 15-17, 2007.
- Displayed a 3-day “Insect Booth” at the Lubbock Science Spectrum “Crittterfest 2008” and gave live demonstration and lectures on insect feeding, growth and development, and insect management in field crops (6,000 people in attendance). Also, involved 6 graduate students to help the entomology-awareness public outreach program. June 27-29, 2008 (invited).
- Displayed a 4-day “Insect Booth” at the Lubbock Science Spectrum “Crittterfest 2009” and gave live demonstration and lectures on insect feeding, growth and development, and insect management in field crops (8,000 people in attendance). Also, involved 8 graduate students to help the entomology-awareness public outreach program. June 18-21, 2009 (invited).
- Displayed a 4-day “Insect Booth” at the Lubbock Science Spectrum “Crittterfest 2011” and presented live demonstrations and lectures on insect feeding, growth and development, and insect management in field crops (9,000 people in attendance). This effort also involved 8-10 graduate students/staff to assist with this outreach program. June 23-26, 2010 (invited).
- Grower field trips in 2013: Dawson Co. alfalfa fields (7 times, August 6-26), Swisher Co. cotton (3 times with B. Reed, A. Barman, R. Kurtz), Hale Co. cotton (2 times with D. Palmer, A. Barman), Gaines Co. cotton farm (2 times with M. Anderson, A. Barman, R. Kurtz). Average of 3-5 farmers’ field visits annually since 2013.

- Hosted Roscoe Collegiate Independent School District Science Proficiency students (April 26, 2017). TAMU AgriLife Extension IPM Program and Texas 4-H and Youth Development Program are involved in facilitating science education in this unique rural school in Texas.

VI. Service/Engagement

Program Support Activities within the TAMU System:

1. Committee Assignments within the Department or Research & Extension Center:
 - a. As Chair:
 - Entomology Science Conference Annual Program Committee, 2003.
 - Center Awards Committee, Texas AgriLife Research- Lubbock, 2004-current.
 - Search Committee, Lubbock Extension Cotton Entomologist position, 2006-2007.
 - Search Committee, Lubbock Center Cotton Breeder position, 2007-2008.
 - Search Committee, Corpus Christi Field Crop Entomologist position, 2008-2009.
 - Departmental P&T Subcommittee for Texas A&M AgriLife Research, 2011-2012.
 - Search Committee, Lubbock Extension Cotton Entomologist position, 2012-2013.
 - Departmental P&T Subcommittee for Texas A&M AgriLife Research, 2014-2017.
 - Departmental P&T Committee, Co-Chair (2018; Elected), Chair (2019).
 - b. As Member:
 - Faculty Advisory Committee (Elected), TAMU Entomology, 2003-2008.
 - Visioning Committee (Elected), TTU PSS Department, 2004-2006.
 - Recruitment and Retention Committee, TTU PSS Department, 2005-2006.
 - Search Advisory Committee for the Professor & Charles Parencia Chair in Cotton Entomology position, May 2005-2006.
 - Curriculum Development Committee, TTU PSS Department, 2006-2008.
 - Strategic Planning Committee, TTU PSS Department, 2007-2008.
 - Scholarship and Awards Committee, TTU PSS Department, 2008-2009.
 - Graduate Admissions Committee, TAMU Entomology, 2007-2013.
 - Promotion and Tenure Subcommittee: Research (2011-2019); Extension (2014-2016).
 - Search Committee, Amarillo Center Research Entomologist position, 2014-2015.
 - Search Committee, Lubbock Extension Cotton Entomologist position, 2015.
 - Search Committee, Weslaco Extension Cotton Entomologist position, 2018-2019.
 - Departmental P&T Committee, 2018-current.
 - Departmental Awards Committee, 2019-current.
 - Departmental Faculty Advisory Committee (Elected), 2020-current.
2. College of Agriculture & Life Sciences:
 - Member, Committee on International Activities, Texas Tech University (2003-2007).
 - Member, Dean's Advisory Committee for the Professor and Charles Parencia Chair in Cotton Entomology position, 2006-2008.
 - Member, College of Agriculture & Life Sciences P&T Committee, 2015-2017.
3. Texas A&M AgriLife Research:
 - Member, Reduction in Force (RIF) Appeal Panel, 2003.
 - Member, Texas A&M AgriLife Faculty Fellow/Senior Faculty Fellow selection panel, 2011-2013; 2016-2018.
 - Advocacy Speaker, Advanced Leadership Program, 2017.
 - Member, Texas A&M AgriLife Research Director's Awards Committee, 2018-2019.

4. Texas A&M AgriLife Extension Service:
 - Member, Cotton Research Strategic Planning Committee, 2005. One-day workshop held in Lubbock on February 19; a strategic plan developed for the State.
5. University/System Level:
 - Texas Tech International Student Association Advisor (2006-2011).
 - Executive Member, Texas A&M Advanced Leadership Program (2018-2020).

Program Support Activities outside the TAMU System

1. International Assignments:
 - Lead Organizer, International Symposium on Climatic Data Based Pest Management, International Congress of Plant Protection, Beijing, China (May 2004).
 - Lead Organizer, International Symposium on Cotton IPM, International Congress of Entomology, Brisbane, Australia (August 2004).
 - Member, World Cotton Research Conference Organizing Committee (2005-2007). Also, Program Chair for the Cotton Arthropod Section.
 - Elected to the International Affairs Committee of the Entomological Society of America (2006-2012); Secretary (2006), Vice Chair (2007), and Chair (2008).
 - Lead Organizer, International Symposium on Cotton IPM, International Congress of Entomology, Durban, South Africa (July 2008).
 - Scientific Committee Member, International Congress of Global Warming on Biodiversity of Insects: Management and Conservation, India (2008-2009).
 - Organizer, International Symposium on Landscape Level Management of Crop Pests, International IPM Symposium, Portland, OR (March 24-26, 2009).
 - Organizer, Ecology Symposium, 6th Asia-Pacific Congress of Entomology, Beijing, China (October 18-21, 2009).
 - Program Co-Chair, 7th International IPM Symposium, Memphis, TN (2009-12).
 - Organizer, International Symposium on Cultural Control in IPM, International Congress of Entomology, Daegu, South Korea (August 2012).
 - Organizer, Pest Management in Landscape Level Agroecosystems, European Congress of Entomology, York, UK (August 2014).
 - Organizer/Chair, *Integration of Ecological Approaches in Regional Pest Management*, 18th International Plant Protection Congress, Berlin, Germany (August 2015).
 - Organizing Committee, International Congress of Entomology, Orlando, FL (September 25-30, 2016).
 - Chair, *Global Change Warning, First International Conference on Integrated Pest Management*, Changsha, Hunan Province, China (July 21-24, 2017).
 - Co-Organizer, *Monitoring and Managing Agricultural Insects Crossing Borders*, Joint Entomological Society of America and Entomological Society of Canada Symposium on Invasive Species, Vancouver, Canada (November 11-14, 2018).
 - External Reviewer for promotion and tenure of two Assistant Professors at University of Agriculture, Faisalabad, Pakistan (2018).
 - Organizer/Chair, *Pest, Host Plant, and Environmental Interactions: Effect of Climate Change in Managing Insects Pests*, 19th International Plant Protection Congress, Hyderabad, India (November 2019).
 - Panelist/Invited Speaker, *Agriculture and Food Security*, 2nd NRN Global Knowledge Convention, Kathmandu, Nepal (October 2020).
2. National Assignments:
 - a. Professional/Scientific Societies:

- ESA Annual Meeting Moderator for Section Cd, Baltimore, MD (Dec. 16, 1992).
 - ESA Annual Meeting Moderator, Student Competition, Ft. Lauderdale, FL (Nov. 18, 2002).
 - ESA Annual Meeting Student Competition Judge, Cincinnati, OH (Oct. 27, 2003).
 - ESA Annual Meeting Student Competition Judge, Salt Lake City, UT (Nov. 15, 2004).
 - ESA Annual Meeting Student Competition Judge, Ft. Lauderdale, FL (Dec. 15, 2005).
 - Coordinator, Beltwide Cotton Conference Student Competition, San Antonio, TX (Jan. 5, 2006).
 - ESA Annual Meeting Student Paper Competition presiding officer and moderator, Indianapolis, IN (Dec. 11, 2006).
 - Beltwide Cotton Conference Student Paper Competition Judge, New Orleans, LA (Jan. 11, 2007).
 - Symposium Organizer, National Integrated Pest Management Symposium, St. Louis, MO (Apr. 4-6, 2006).
 - Symposium Organizer, Southern Extension and Research Activities Information Exchange Group (SERA-IEG 23) Annual Symposium, Memphis, TN (Oct. 31, 2006).
 - Program Symposium Co-Organizer, ESA Meeting, San Diego, CA (Dec. 9-12, 2007).
 - Program Symposium Co-Organizer, ESA Meeting, Reno, NV (Nov. 16-19, 2008).
 - Program Symposium Co-organizer/Member Symposium Organizer, ESA Meeting, San Diego, CA (Dec. 12-16, 2010).
 - Member Symposium Co-organizer, ESA Meeting, Reno, NV (Nov. 13-16, 2011).
 - External Reviewer for Promotion and Tenure of two Assistant Professors at University of Georgia and Virginia State University (2011).
 - Member Symposium organizer, ESA Meeting, Portland, OR (Nov. 10-19, 2014).
 - Member Symposium organizer, ESA Meeting, Minneapolis, MN (Nov. 15-18, 2015).
 - Symposium organizer, International Congress of Entomology, Orlando, FL (Sep. 25-30, 2016).
 - Organizer, International Branch annual meeting and symposium, ESA Meeting, Denver, CO (Nov. 5-8, 2017).
 - ESA Annual Meeting Student Competition Judge, Denver, CO (Nov. 5-8, 2017).
 - Judging Panel Chair, Society of Overseas Nepalese Entomologists (SONE) student presentation competition, ESA annual meeting, Denver, CO (Nov. 5-8, 2017).
 - ESA-Entomological Society of Canada Joint Meeting Student Paper Competition Judge, Vancouver, Canada (Nov. 11-14, 2018).
 - External Reviewer for Promotion of an Associate Professor to Professor at Kansas State University (2018).
- b. Governmental:
- Member, USDA CSREES Grants Review Panel, Washington, DC (Apr 23-24, 2002).
 - Member, USDA CSREES Grants Review Panel, Washington, DC (Apr 15-16, 2003).
 - Member, Review of USDA-CSREES Higher Education Challenge Grants Program (Nov 2005-May 2006).
 - Member, USDA CSREES Grants Review Panel, Washington, DC (April 24-26, 2007; May 1, 2008; June 1, 2009; March 3, 2011).
 - Member, USDA Office of Scientific Quality Review (OSQR) Panel for National Program (NP) 304 - Crop Protection and Quarantine (February-September 2015).
 - Member, USDA-NIFA 1890 Institution Teaching, Research and Extension Capacity Building Grants Program Panel, Washington, DC (August 8-11, 2016).

- Member, USDA-NIFA 1890 Institution Teaching, Research and Extension Capacity Building Grants Program Panel, Washington, DC (September 26-29, 2017).
 - Reviewer, USDA Office of Scientific Quality Review (OSQR) for National Program (NP) 304 - Crop Protection and Quarantine National Program (Weed Physiology, Biochemistry, and Genomics) (June-July 2020).
 - Member, USDA-NIFA 1890 Institution Teaching, Research and Extension Capacity Building Grants Program Panel, Washington, DC (2020; virtual).
3. Regional/State Level Assignments:
- Entomological Society of America (ESA)-Southwest Branch (SWB) Annual Meeting Moderator, Corpus Christi, TX (Feb 11, 1998).
 - ESA-SWB Annual Meeting Moderator, Las Cruces, NM (Feb 24, 1999).
 - ESA-SWB Annual Meeting Judge for Student Paper/Poster Competition, Fort Worth, TX (Feb 9, 2000).
 - ESA-SWB Annual Meeting Judge for the Student Paper/Poster Competition, Guanajuato, Mexico (Feb 26, 2002).
 - ESA-SWB Annual Meeting Judge for the Student Paper/Poster Competition, Lubbock, TX (Feb 23-26, 2004).
 - ESA-SWB Annual Meeting Symposium Organizer, Lubbock, TX (Feb 23-26, 2004).
 - ESA-SWB Annual Meeting Symposium Organizer, Austin, TX (Feb 27-Mar 2, 2006).
 - ESA-SWB Annual Meeting Judge for Student Paper Competition, Corpus Christi, TX (Feb 20, 2007).
 - Invited Speaker, Texas Cooperative Extension Specialist Retreat, New Braunfels, TX (Mar 22-26, 2007).
 - ESA-SWB Annual Meeting Judge for Student Poster Competition, Ft. Worth, TX (Feb 23-26, 2008).
 - ESA-SWB Annual Meeting Judge for Student Poster Competition, Stillwater, OK (Feb 23-26, 2009).
 - Co-Organizer/Invited Speaker, Plant Bug Workshop, Texas A&M AgriLife Research and Extension Center, Corpus Christi, TX (February 21-22, 2011).
 - Coordinator, Statewide thrips research program in Texas, Cotton Incorporated Core Program (2016-2017).
4. Local Level Assignments:
- Member, Program Committee, High Plains Association of Crop Consultants, Lubbock, TX (2004, 2007, 2008).
 - Chair, Scholarship Committee, West Texas Agricultural Chemicals Institute, Lubbock, TX (2002-2005).

Consulting Activities/Training/Professional Expert Service Rendered

1. International Level
- Hosted a ministerial level Pakistani delegation that visited CA, NM, and TX to learn about the cotton ginning and storage processes. Presented a seminar to the delegation on “Effect of temperature on boll weevil survival in cotton module.” May 23, 2002.
 - Whitefly management in cotton in Senegal. Group of agricultural scientists and government officials from Senegal visited Dr. Parajulee’s laboratory and he provided an overview of overall cotton IPM, including whitefly management. Summer, 2002.

- Cotton aphid research in controlled environment using clip cages, Chinese Academy of Sciences (CAS), Beijing, China. Visited CAS and helped a Ph.D. student Fajun Chen to set up his cotton aphid experiments. May 2004.
- Hosted a visiting Research Entomologist, Ms. Nora Jimenez, from Centro de Investigación Turipana, Colombia, for consultation and scientific exchange of ideas on cotton IPM research, with particular emphasis on cotton aphids and whitefly management. May 23, 2005.
- Served on U.S. Organizing Committee of the World Cotton Research Conference that was held in Lubbock, Texas (2007), Program Chair for Arthropod Section.
- Selected to serve on Entomological Society of America Southwestern Branch Site Selection Committee (2007-2009) and Local Arrangement Chair/Meeting Organizer for the ESA Southwestern Branch annual meeting in Cancun, Mexico (2009-2010).
- Visited East Malling Research Laboratory in Kent, UK (Dr. Jerry Cross) and University of Kent in Canterbury, UK (Dr. David Hall) to discuss *Lygus* ecology research partnerships. June 7-12, 2007.
- Provided technical advice to Ghana Atomic Energy Commission's Agriculture Program on whitefly management in cotton and cassava. USAID fellow Ebenezer Ewusie worked in Dr. Parajulee's laboratory as part of this *pro bono* service. June 2006-August 2008.
- Visited the Ghana Atomic Energy Commission's Biotechnology and Nuclear Agriculture Research Institute and advised on integrated pest management of cotton and cassava. May 29-June 5, 2007.
- Hosted a 6-member cotton research and extension delegation from Israel that visited Texas to learn cotton IPM practices. September 3 and 6, 2007.
- Hosted a 4-member cotton research team from India that visited the Cotton Entomology Program to learn ecological approaches to cotton pest management. September 17-18, 2007. Took the Indian delegation to an area farmer (Alan West) for a ½-day field tour.
- Participated in a 'Field Crop IPM in Developing Countries' roundtable workshop at the Indian Agricultural Research Institute, New Delhi, India, after presenting an invited seminar on cotton IPM. February 6, 2009.
- Hosted Julio Maldonado, a U.S. Embassy Cairo - Ag Attaché, for a 2-hour roundtable conference on cotton insect situation in the Texas High Plains and a laboratory tour. September 14, 2010.
- Hosted a ½-day Texas A&M AgriLife Research Tour of the 69th International Cotton Advisory Committee Plenary delegates (70 delegates in four sessions) that visited the Cotton Entomology Program to learn ecological approaches to cotton pest management. September 21-25, 2010.
- Hosted Dr. Ponnuraj Jeyakumar, Senior Scientist (Entomology), Indian Council of Agricultural Research (ICAR), New Delhi, India in the laboratory and provided information on cotton integrated pest management, August 3-5, 2011.
- Hosted Dr. Konasale J. Anilkumar, Team Lead for Hemipteran Research, Monsanto World Headquarter, St. Louis, MO in the laboratory and provided information on *Lygus* rearing and cage study methodology, August 22-23, 2011.
- Hosted a 6-member Brazilian scientific delegation from the Foundation Mato Grosso, Rondonopolis, MT, Brazil in the laboratory for three days (August 24-26). The team consisted of two agronomists/scientists and four agronomy/crop production technical staff. Dr. Parajulee's Program was chosen to lead the visit that included an overview of U.S. cotton production and field visits in the Texas High Plains, August 24-26, 2011.
- Hosted Eddie Silman and James Ashley of Evonik Goldschmidt Corporation, Hopewell, VA and provided information on cotton IPM in the Texas High Plains, June 14, 2012.

- Provided a ½-day IPM training for a group of students for International Certified Crop Advisor (ICCA) Exam, Lubbock, TX, January 30, 2013.
 - Hosted a 3-member cotton seed company team (Rasi Seeds India Ltd.) from India that visited Dr. Parajulee's Program to learn US cotton systems. September 25, 2009.
 - Hosted a 5-member Cotton Biotechnology Group from Bayer CropScience, Belgium and USA (Stefan Jansens, Leo Magalhaes, Lorenzo Aleman Sarinana, Razvan Dumitru, Roxanne Carreer), discussing the cotton production methods and ecological approaches to cotton pest management in the Texas High Plains. September 26, 2013.
 - Hosted Ivan Pastrana Vargas of Colombian Corporation of Agricultural Research, CORPOICA - Research Centre Motilonia who visited Dr. Parajulee's Program to learn ecological approaches to cotton pest management. October 30-November 3, 2013.
 - Provided a ½-day IPM training for a group of students for International Certified Crop Advisor (ICCA) Exam, Lubbock, TX, July 30, 2014.
 - Provided a ½-day IPM training for a group of students for International Certified Crop Advisor (ICCA) Exam, Lubbock, TX, February 3, 2015.
2. National Level
 - Ecological methods of arthropod management in closed environment, Columbia University Earth Learning Center (Biosphere 2), Oracle, AZ (1998-2001).
 - Served on a panel of *Lygus* Research Experts for Monsanto Biotechnology Group, Memphis, TN (Feb. 25-26, 2010); Atlanta, GA (Jan. 4, 2011); Orlando, FL (Jan. 3, 2012); San Antonio, TX (Jan. 7, 2013); New Orleans, LA (Jan. 5, 2014).
 3. State Level
 - Served as an advisor to a select group of Texas cotton/corn producers in developing Bollgard refuge programs in consultation with EPA and Monsanto, Amarillo, TX (2007).
 4. Local Level
 - Provided expert service to High Plains Agriculture Crop Consultants on plant bug management (2003-current). Serve as a subject matter expert on *Lygus* bug management panel annually or when sought by area consultants, growers, and IPM agents.
 - Served on a ½-day Cropping Systems panel to address Texas High Plains growers' cotton production issues with conventional cotton varieties, March 3, 2016, Lubbock, TX.

Professional Development and Leadership Activities

A. Membership in professional/scientific societies

1. International/National Level:
 - Member, Entomological Society of America (1991-current).
 - Member, ESA-Southwestern Branch Awards Committee (1997-2001), Chair (1999).
 - Member, ESA-Southwestern Branch Student Research Awards Committee (2001-2008).
 - Member, International Organization for Biological Control of Noxious Animals and Plants (IOBC); Elected Member-At-Large (2004-2006).
 - Member, Society of Southwestern Entomologists (1996-current); President (2009).
 - Member, Entomological Society of America International Affairs Committee (2006-2012); Secretary (2006), Vice Chair (2007), Chair (2008).
 - Program Committee Member, ESA national meeting (2009-2011, Chair 2010).
 - Program Co-Chair, International IPM Symposium (2009-2012).
 - Program Committee Member and Awards Committee Co-Chair, International IPM Symposium (2012-2015).
 - Member, Organizing Committee, International Congress of Entomology (2012-2016).

- Member, Steering Committee, International IPM Symposium (2015-2018).
- Co-Chair, Awards Committee, International IPM Symposium (2015-2018).

2. Regional/State Level:

- Member, Southern Extension and Research Activities Information Exchange Group (2003-2010; Chair 2005).
- Member, Southern Row Crops Research and Extension Group; organization's name changed (2018) to National Cotton States Arthropod Pest Management Working Group (NCSAPMWG) (2001-current).

3. Local Level:

- Member, High Plains Association of Crop Consultants (2001-current).
- Member, Plains Cotton Advisory Group, Lubbock (2001-current).

B. Elected positions held in professional/scientific societies

1. International/National Level:

- Secretary (2002), Vice-Chair (2003), and Chair (2004), Entomological Society of America Sub-section Cd (Ecology and Behavior).
- Governing Board Member, International Organization for Biological Control of Noxious Animals and Plants (IOBC) Nearctic Region (2004-2006).
- Member, International Affairs Committee of the Entomological Society of America (2006-2011), Secretary (2006), Vice-Chair (2007), Chair (2008).
- President, Society of Southwestern Entomologists (2009).
- Founding President, Institute of Rubber and Jatropha Research-Nepal (IRJR-N) (2010-).
- Treasurer (2014-2015), President-Elect (2015-2016), President (2016-2017), Entomological Society of America International Branch.
- Vice President (2016-2018; 2018-2020), Association of Nepalese Agricultural Professionals of Americas (NAPA).
- President (2020-2022), Association of Nepalese Agricultural Professionals of Americas.

2. Regional/State Level:

- Chair, Southern Extension and Research Activities-Information Exchange Group in Cotton Entomology (SERA-IEG 23), 2005-2006.

3. Local Level:

- Board of Directors, West Texas Agricultural Chemicals Institute (Chair, Scholarship Committee), 2002-2006.
- Director, High Plains Association of Crop Consultants, 2006-2008.

Editorial Positions Held in Professional/Scientific Societies

1. International/National Level:

- Editor, Proceedings of the Fourth World Cotton Research Conference, 2007-2008.
- Subject Editor, Journal of Insect Science, 2008-2017.
- Editor-In-Chief, Global Journal of Agricultural and Allied Sciences (2018-current).
- Editor, PLoS ONE (2019-current).

Special Appointments to Positions of Leadership

1. Special Leadership Appointments at the National/International Level:

- Presiding Officer, Beltwide Cotton Conferences, Atlanta, GA (Jan 11, 2002).
- ESA Annual Meeting Student Competition Head Judge, Cincinnati, OH (Oct 27, 2003).

- Lead Organizer, International Symposium on Climatic Data Based Pest Management, International Congress of Plant Protection, Beijing, China (May 2004).
 - Lead Organizer, International Symposium on Cotton IPM, International Congress of Entomology, Brisbane, Australia (Aug 2004).
 - ESA Annual Meeting paper competition Head Judge, Salt Lake City, UT (Nov 15, 2004).
 - Presiding Officer, Beltwide Cotton Conferences, New Orleans, LA (Jan 7, 2005).
 - ESA Meeting paper competition Head Judge, Ft. Lauderdale, FL (Dec 15-18, 2005).
 - Moderator, National Cotton Pest Mgmt. Seminar, Virginia Beach, VA (Oct 11, 2005).
 - Coordinator, Beltwide Cotton Conf. Paper Competition, San Antonio, TX (Jan 5, 2006).
 - Moderator, National Cotton Pest Management Seminar, San Destin, FL (Oct 12, 2006).
 - Moderator, National Crop Management Seminar, Memphis, TN (Oct 31- Nov 2, 2006).
 - Moderator, ESA Annual Meeting session, Indianapolis, IN (December 11, 2006).
 - Judge, Beltwide Cotton Conf. Paper Competition, New Orleans, LA (Jan 11, 2007).
 - Moderator, Beltwide Cotton Conf. Paper Competition, Nashville, TN (Jan 10, 2008).
 - Moderator, National Cotton Mgmt. Seminar, Puerto Vallarta, Mexico (Oct 6-9, 2008).
 - Lead Organizer, International Symposium on Cotton IPM, International Congress of Entomology, Durban, South Africa (July 2008).
 - Program Committee, Entomological Society of America Annual Meeting (2009-2011, Program Chair, 2010). Organized and led the national meeting of the Entomological Society of America program, a 4-day annual meeting with 3,300 attendees and 2,400 scientific presentations. Also, organized a symposium on “*Molecular and other novel tools in ecological research*”, a ½-day symposium at the meeting.
 - Moderator, National Cotton Management Seminar, Point Clear, AL (Oct 5-8, 2009).
 - Presiding Officer, Beltwide Cotton Conferences, New Orleans, LA (Jan 6, 2010).
 - Panel, National Cotton Management Seminar, Savannah, GA (Oct 4-7, 2010).
 - Program Co-Chair, International IPM Symposium (2009-2012).
 - Presiding Officer, Beltwide Cotton Conferences, New Orleans, LA (Jan 7, 2014).
 - Panel, Fulbright Regional Conference on Southeast and South-Central Area Studies, Chennai, India (March 10-12, 2014).
 - Co-Chair, International Plant Protection Congress IPM Session, Berlin, Germany (Aug 26, 2015).
 - Chair, Cotton Protection Symposium, World Cotton Research Conference, Goiania, Brazil (May 5, 2016).
 - Founding Advisor, ESA Network: Society of Overseas Nepalese Entomologists (2009-).
 - Resource Person, ESA and Lewis-Burke Associates LLC (Dr. Erin Cadwalader) selected Dr. Parajulee to serve on the panel on ESA’s Farm Bill Advocacy role, October 31, 2018.
 - Invited Panelist, Second Global Knowledge Convention – Post Covid-19 Agriculture, Kathmandu, Nepal (October 9-11, 2020).
2. Special Leadership Appointments at the Regional/State Level:
- Chair, Scholarship Committee, West Texas Agricultural Chemicals Institute (2004-2007).
 - Program Chair, ESA-Southwestern Branch Meeting, Lubbock, TX (Feb. 23-26, 2004).
 - Organizer, Entomological Society of America Southwestern Branch Annual Meeting Symposia (2004 in Lubbock, 2006 in Austin, 2008 in Ft. Worth).
 - Local Arrangement Chair, ESA-SWB Annual Meeting, Cancun, Mexico (2009-2010).
3. Special Leadership Appointments at the Local Level (to include ones within TAMU):
- Representative to the CSRS Review Panel of the Department of Entomology, University of Wisconsin-Madison (March 4-7, 1991).

- High Plains Association of Crop Consultants Annual Program Symposium Chair, Lubbock, TX (2004), Program Committee Advisor (2007, 2008).

Professional Improvement Activities

1. Participation in Meetings/Conferences of Scientific Societies and Professional Organizations:

a. Societies and Organizations Whose Meetings are Regularly Attended (~every year):

1) National/International Societies/Organizations:

- Entomological Society of America
- Beltwide Cotton Conferences
- Cotton Incorporated National COTMAN Workshop (2002-2012, discontinued)
- National Cotton Pest Management Seminar
- International Symposium on *Lygus*/Plant Bugs (every 3-4 years)
- International Congress of Entomology (every four years)
- International Congress of Climate Change on Biodiversity (every four years).
- World Cotton Research Conference (every four years)
- International IPM Symposium (every four years)

2) Regional/State Level Societies/Organizations:

- Entomological Society of America – Southwestern Branch & International Branch
- Society of Southwestern Entomologists
- Statewide Entomology Science Conference (2001-2012; discontinued)
- West Texas Agricultural Chemicals Institute Annual Conference (2001-2010)
- Southern Extension and Research Activities - Information Exchange Group of Cotton Insects (SERA-IEG 23, 2002-2010)
- Texas State Support Committee Research Review

3) Local Societies/Organizations:

- High Plains Association of Crop Consultants
- Plains Cotton Advisory Group (meeting every-other-Friday)

b. Societies and organizations Whose Meetings were Attended Infrequently or Only Once:

1) National/International Societies/Organizations:

- Ecological Society of America National Meeting, Madison, WI (1993).
- International Congress of Stored-Product Research, Canberra, Australia (1994).
- International Plant Protection Congress, Beijing, China (2004); Berlin, Germany (2015); Hyderabad, India (2019).
- International Conference of Plant Protection Institute, Giza, Egypt (2008).
- Asia-Pacific Congress of Entomology, Beijing, China (2009).
- International Conference on Food Security *vis-à-vis* Pest Management, Kalyani, West Bengal, India (2012).
- International Cotton Advisory Committee Meeting, Cartagena, Colombia (2013).
- Fourth Biopesticide International Conference, Palayamkottai, India (2013).
- European Congress of Entomology, York, United Kingdom (2014).

2) Regional/State Level Societies/Organizations:

- USDA-ARS *Heliothis/Helicoverpa* Research Strategic Planning Workshop, Dallas, Texas (March 25-27, 2003).
- Tarnished Plant Bug/Stink Bug Areawide Management Conference, Stoneville, MS (October 21-22, 2003).

- USDA Strategic Planning Workshop on Old World Bollworm, Gainesville, FL, April 4-7, 2016.

2. Other Professional Improvement Activities:

a. Activities Related to the Improvement of Teaching/Instructional Skills:

- Attended the workshop “*Effective Teaching and Research Methodology in Agriculture*” sponsored by Utah State University, Logan, UT, May 15-27, 1988.
- Attended the workshop “*Enhancing the Student/Teacher Interaction: A Workshop on Teaching and Learning Styles*” sponsored by the Center for Teaching Excellence, Texas A&M University, College Station, TX, November 4-5, 1994.

b. Activities Related to the Improvement of Research Skills:

- Attended a 2-day workshop on cotton biotechnology (development of transgenic cultivar) at Monsanto World Headquarters, St. Louis, MO, June 24-26, 2002.
- Visited Dr. Gordon Snodgrass Laboratory, USDA-ARS, Jamie Whitten Delta States Research Center Southern Insect Management Research Unit, Stoneville, MS for a 2-day training on *Lygus* rearing technique, dissection and quantification of diapause status, and insecticide bioassay on *Lygus* bugs. October 21-22, 2003.
- Attended a 2-day workshop on “*Cotton Management in the First 40 Days*” sponsored by Bayer Crop Science, Dallas, TX. February 16-17, 2005.
- Attended a 2-day training on “*Molecular Techniques for Arthropod Monitoring*” at Dr. James Hagler’s Laboratory, USDA-ARS, Western Cotton Research Laboratory, Phoenix, AZ. Learned marking techniques for *Lygus* bugs using different proteins and detection of marked *Lygus* by ELISA. March 17-18, 2005.
- Attended a 2-day workshop on “*Precision Agriculture and Pest Management*” sponsored by Cotton Incorporated, Austin, TX. November 15-16, 2005.
- Attended a 1-day workshop on “*Use of COTMAN in Entomology Research*” sponsored by Cotton Incorporated, Memphis, TN. October 31, 2006.
- Attended a 1-day workshop on “*NSF Day: Enhancing the Grantsmanship*” sponsored by the National Science Foundation, El Paso, TX. January 22, 2008.
- *COTMAN Plant Mapping Workshop*, Arkansas Agricultural Experiment Station, Marianna, AR. May 15, 2009.
- *COTMAN Plant Mapping Workshop*, Texas A&M AgriLife Research, Lubbock, TX, June 30, 2009. Workshop Organized by Dr. Parajulee.
- *Crop Management Seminar*, Cotton Inc., Memphis, TN, November 9-11, 2010.
- *National Cotton Management Seminar*, San Lucas, Mexico, Oct 10-13, 2011.
- *Southern Crop Pest management Seminar*, Sun River, OR, Oct 8-12, 2012.
- *Southern Crop Pest management Seminar*, Henderson, NV, Oct 14-17, 2013.
- *Southern Crop Pest management Seminar*, Park City, UT, Oct 6-9, 2014.
- *Unmanned Aerial Systems Symposium*, College Station, TX, August 12, 2014.
- *High Plains Air Park UAV Workshop*, Amarillo, TX, February 4-5, 2015.
- *Texas A&M AgriLife Grant Development Workshop*, Academic Research Funding Strategies, LLC., College Station, TX, March 31-April 1, 2015.
- *Electrical Penetration Graph workshop*, Lake Alfred, FL, July 19-25, 2015.
- *Southern Crop Pest Management Seminar*, Bar Harbor, ME, October 12-16, 2015.
- *Old World Bollworm, Helicoverpa armigera, Identification Training*, Gainesville, FL, April 7-8, 2016.
- *Electrical Penetration Graph (EPG) training*, Parlier, CA, April 15, 2016.
- *Southern Crop Pest management Seminar*, Tucson, AZ, Oct 10-13, 2016.
- *Southern Crop Pest management Seminar*, Gateway, CO, Oct 16-19, 2017.

- *National Cotton States Arthropod Pest Management Working Group annual meeting*, Cape Neddick, ME, Oct 15-18, 2018.
 - *National Cotton States Arthropod Pest Management Working Group annual meeting*, Jackson Hole, WY, Oct 14-17, 2019.
- c. Activities Related to the Improvement of Extension Service Skills:
- COTMAN Plant Mapping Research and Outreach Annual Workshop, Cotton Incorporated, Austin, TX. November 17-18, 2003.
 - Decision-Aid Workshop sponsored by Cotton Incorporated at the Beltwide Cotton Conference in San Antonio, TX. January 7, 2004.
 - COTMAN Workshop, Texas Cooperative Extension, Lubbock, TX. June 2, 2004.
 - COTMAN Annual Workshop, Cotton Incorporated, Austin, TX. Nov 16-17, 2005.
 - Monsanto Refuge Strategy meeting with Monsanto Technology Team, Extension Specialists, and cotton stakeholders, College Station, TX (May 25, 2006).
 - COTMAN Plant Mapping Research and Outreach Annual Workshop, Cotton Incorporated Crop Management Seminar, Memphis, TN. November 9-11, 2010.
 - COTMAN Plant Mapping Research and Outreach Annual Workshop, Cotton Incorporated Crop Management Seminar, Orlando, FL. January 3, 2012.
 - Extension/IPM Professional Improvement Conference, New Braunfels, TX. March 19-22, 2013.
- d. Activities Related to the Improvement of Leadership Skills:
- Operationally merged the Texas AgriLife Cotton Insect Research and Extension projects into a **Cotton Entomology Program** (Jan 2004) to improve the research-extension partnership and provide synergy to both programs.
 - Emerging Leaders Conference, October 27-28, 2010, Bryan, TX.
 - *Texas A&M Advanced Leadership Program (Feb 2016-Feb 2018)*, TAMU.
- e. Activities Related to the Improvement of Administrative Skills:
- Conducted annual performance review of Technicians, Research Associates and Research Scientist, 2001-current (average of 3 per year).
 - Participated in a 1-day Grant Writers' Seminar and Workshop "Write Winning Grants." Office of Research Services, Texas Tech University. April 22, 2004.
 - Texas Tech University Plant and Soil Science Annual Faculty Retreats, Lubbock, TX. One-day retreats during late summer/early fall (2001-2012).
 - Attended Promotion and Tenure Workshop. Served on P&T Committee, TAMU Department of Entomology, 2010-current; Chair, Research Faculty Promotion Subcommittee, 2010, 2014, 2016. Department P&T Committee (Chair-Elect, 2018; Chair, 2019). College P&T Committee (2015-2017).
 - Attended Virtual Summit 'Stronger together: Strengthening Texas A&M AgriLife and Prairie View A&M University agriculture connections. January 21, 2021.
- f. Activities Related to the Improvement of Other Professional Skills (invitational):
- Stoneville Seed Company information exchange meeting on the role of cooperation between researchers and seed industry, Lubbock, TX. Feb. 12, 2002.
 - FMC Corporation information exchange meeting on the role of cooperation between research scientists and pesticide industry, Lubbock, TX. Apr. 5, 2002.
 - Cotton Ginners Association Annual Meeting and Trade Show, Lubbock, TX. (1st week in April 2002-current).
 - Bayer CropScience information exchange meeting with extension specialists and crop consultants, Lubbock, TX. Sep. 25, 2003.

- Monsanto/Stoneville sponsored information exchange meeting with extension specialists and crop consultants, Lubbock, TX. Mar. 24, 2005.
- Delta and Pine Land information exchange field day, Lubbock, TX. Sep. 13, 2005.
- Monsanto Company information exchange meeting with extension specialists and crop consultants, Lubbock, TX. Sep. 24, 2006.
- Bayer CropScience FiberMax information exchange field day to educate crop consultants, Lubbock, TX. Sep. 27, 2007.
- Monsanto Company information exchange meeting with extension specialists and crop consultants, Ruidoso, NM. Mar. 1-4, 2007.
- Bayer CropScience *Fruiting-to-Finish* Workshop to develop a Best Management Plan for cotton production, Dallas, TX. Mar. 21-22, 2007.
- Bayer CropScience Technology Conf., San Antonio, TX. Feb. 6-9, 2007 & 2008.
- Monsanto information exchange meeting with extension specialists and crop consultants, Ruidoso, NM. Mar. 6-8, 2008; San Antonio, TX. Jan. 5-6, 2009; Santa Fe, NM. Jan. 27-29, 2010.
- Bayer CropScience Technology Conference, San Antonio, TX. Feb. 17-19, 2010.
- Monsanto information exchange meeting, Santa Fe, NM. Feb. 9-11, 2011.
- Bayer CropScience Technology Conference, San Antonio, TX. Feb. 18-20, 2011.
- Dow AgroSciences Field Day, Lubbock, TX. September 23, 2011.
- Monsanto information exchange meeting with extension specialists and crop consultants, Santa Fe, NM. Feb. 8-10, 2012.
- Bayer CropScience Technology Conference, San Antonio, TX. Feb. 13-15, 2012.
- Monsanto information exchange meeting (invited speaker) with extension specialists and crop consultants, Santa Fe, NM. Feb. 6-8, 2013.
- Monsanto information exchange meeting with extension specialists and crop consultants, Santa Fe, NM. Jan. 28-30, 2015.
- Annual FMC information exchange meeting, Lubbock, TX. Sep. 10, 2015.
- Monsanto Crop Consultant meeting, Lubbock, TX. March 1, 2018.
- Corteva 'Yielding Innovation' meeting (virtual), December 8, 2020.

VII. International

Major international involvement

- *Invitational keynote, plenary or lead speeches at international conferences in Brisbane, Australia (2004), Accra, Ghana (2007), Durban, South Africa (2008), Dokki-Giza, Egypt (2008); Puerto Vallarta, Mexico (2008); Coimbatore, India (2009); Beijing, China (2009); Cancun, Mexico (2010); Solan, India (2011); Shandong, China (2011); Kalyani, India (2012); Cartagena, Colombia (2013); Tamil Nadu, India (2013); Kathmandu, Nepal (2014); Chennai, India (2014); Tashkent, Uzbekistan (2014); York, England (2014); Nanjing, China (2014, 2015); Berlin, Germany (2015); Goiania, Brazil (2016); Ibague, Colombia (2016); Orlando, USA (2016); Nanjing, China (2017), Changsha, China (2017), Kathmandu, Nepal (2018), Vancouver, Canada (2018), Nanjing, China (2019), Kathmandu, Nepal (2019), Hyderabad, India (2019), Kathmandu, Nepal (2020).*
- Training of international graduate students/trainees from Nepal, India, Pakistan, Mexico, China, Columbia, and Ghana.
- Collaborative linkage with Chinese Academy of Science, Beijing (2003-current) and Nanjing Agricultural University (2006-current) on enhanced CO₂ affecting arthropod populations in cotton; Honorary Professor/Invited Lectureship at NAU (2014-current).
- Collaborative linkage with Ghana Atomic Energy Commission's Biotechnology and Nuclear Agriculture Research Institute through USAID program (2006-2010).

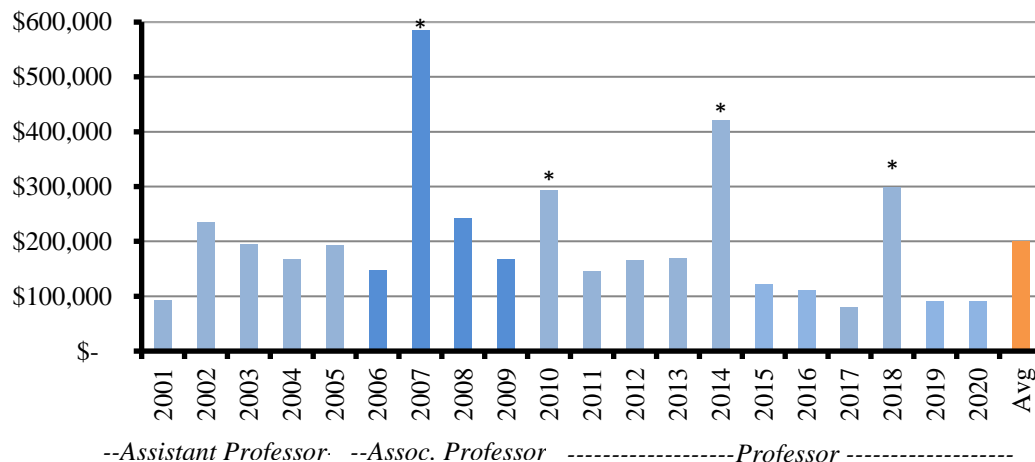
- Organizing international congress symposia, invited keynote and plenary speeches, and international consulting services (*pro bono*, professional).
- Founding Chair and Advisor, Society of Overseas Nepalese Entomologists (2009-date).
- President, Institute of Rubber and Jatropha Research-Nepal (an INGO - international non-governmental organization) focusing on industrial/cash crop research) (2010-current).
- Fulbright Senior Fellow at Nepal Agriculture Research Council, Kathmandu, Nepal; also visited India and Uzbekistan as part of the Fulbright fellowship (January-June 2014).
- *Plenary Speaker and a Panel Member*, Corporación Colombiana de Investigación Agropecuaria Seminario Internacional, Ibagué, Colombia (June 15-16, 2016).
- *Vice President (2016-2020), President (2020-2022)*, Association of Nepalese Agricultural Professionals of Americas.
- *Founding Editor-In-Chief*, Global Journal of Agricultural and Allied Sciences (2018-).
- Invited to serve as an Academic Advisor for Higher Education Curriculum Development at Tribhuvan University, Kathmandu, Nepal by USAID (September 14-30, 2019).

VIII. Grants and Contracts Secured

Career Summary

Role	Career Total	
	Total \$ Amount to all PIs	Amount allocated to the program
External Competitive		
PI	\$2,950,823	\$2,850,216
Co-PI	\$4,666,250	\$795,353
Total	\$7,617,115	\$3,645,569
Internal Competitive		
PI	\$179,588	\$179,588
Co-PI	\$1,965,785	\$276,788
Total	\$2,145,373	\$456,376
Grand Total	\$9,762,488	\$4,101,945

Average funding over the 20-year period in Lubbock: Generated - \$488,125/yr; Managed - \$200,250/yr



Annual funding managed by Dr. Parajulee; * indicates the year receiving USDA NIFA grants.



Details of Grants and Contracts (Title, Funding Source, and Amount)

Internal (* indicates non-competitive)

1. *Parajulee, M. N. (PI) and J. E. Slosser. Quantifying levels of resistance to insect pests in the multi-adversity resistant germplasm. Texas A&M Cotton Research Program. 1997. Funded: \$5,200.
2. Parajulee, M. N. (PI). Variable rate of water and nitrogen affecting cotton aphid abundance in Texas High Plains cotton. Precision Agriculture Initiative. 2001. Funded: \$10,000.
3. *Parajulee, M. N. (PI). Cotton arthropod research in light of boll weevil eradication in the Texas High Plains. Texas Agricultural Experiment Station Cooperative Agreement Grant. 2001. Funded: \$15,000.
4. Parajulee, M. N. (PI). Variable rate of water and nitrogen affecting cotton aphid abundance in Texas High Plains cotton. Precision Agriculture Initiative. 2002. Funded: \$10,000.
5. Parajulee, M. N. (PI). Use of leaf area meter in cotton entomology research. Texas Tech University competitive funds for equipment purchase. 2002. Funded: \$8,000.
6. *Parajulee, M. N. (PI). Cotton arthropod research in light of boll weevil eradication in the Texas High Plains. Texas Agricultural Experiment Station Cooperative Agreement Grant. 2002. Funded: \$15,000.
7. *Parajulee, M. N. (PI). Cotton arthropod research in light of boll weevil eradication in the Texas High Plains. Texas Agricultural Experiment Station Cooperative Agreement Grant. 2003. Funded: \$15,000.
8. Parajulee, M. N. (Co-PI), R. J. Lascano, J. P. Bordovsky, S. J. Maas, E. Segarra, L. T. Wilson, W. Xu, and Y. Yang. An integrated cotton-corn system: Site-specific management. Precision Agriculture Initiative. 2003. Funded: \$142,000 (Account manager of \$21,000).
9. Parajulee, M. N. (Co-PI), K. F. Bronson, W. J. Keeling, H. Kaufmann, R. K. Boman, and E. Segarra. Farm-scale testing of site-specific technologies for the terminated wheat-cotton cropping system. Precision Agriculture Initiative. 2003. Funded: \$100,000 (Account manager of \$24,000).
10. *Parajulee, M. N. (PI). Evaluation of cotton arthropod activity in dryland, furrow irrigation, and drip irrigation systems. Cooperative Agreement Grant from Texas Agricultural Experiment Station Entomology Program at Vernon. 2004. Funded: \$20,000.
11. Parajulee, M. N. (Co-PI), R. J. Lascano, J. P. Bordovsky, S. J. Maas, E. Segarra, L. T. Wilson, W. Xu, and Y. Yang. An integrated cotton-corn system: Site-specific management. Precision Agriculture Initiative. 2004. Funded: \$132,485 (Account manager of \$19,593).
12. Parajulee, M. N. (Co-PI), K. F. Bronson, W. J. Keeling, H. Kaufmann, R. K. Boman, and E. Segarra. Farm-scale testing of site-specific technologies for the terminated wheat-cotton cropping system. Precision Agriculture Initiative. 2004. Funded: \$93,300 (Account manager of \$18,000).
13. Parajulee, M. N. (Co-PI), W. J. Keeling, R. K. Boman, J. P. Bordovsky, K. F. Bronson, T. A. Wheeler, D. O. Porter, and E. Segarra. Integrated cotton production systems for optimizing profitability in Texas Southern High Plains. Cropping System Initiative. 2005. Funded: \$100,000 (Account manager of \$15,000).
14. Parajulee, M. N. (Co-PI), D. O. Porter, J. P. Bordovsky, R. K. Boman, K. F. Bronson, and W. J. Keeling. Integrated subsurface drip irrigation management research program in the Texas Southern High Plains. Cropping System Initiative. 2005. Funded: \$40,000 (Account manager of \$4,500).
15. Parajulee, M. N. Procurement of specialized instrument for molecular research in cotton entomology. Texas Agricultural Experiment Station. 2005. Funded: \$9,000.
16. Parajulee, M. N. (Co-PI), W. J. Keeling, R. K. Boman, J. P. Bordovsky, K. F. Bronson, T. A. Wheeler, D. O. Porter, and J. Johnson. Integrated cotton production systems for optimizing profitability in Texas Southern High Plains. Cropping System Initiative. 2006. Funded: \$100,000 (Account manager of \$15,000).
17. Parajulee, M. N. (Co-PI), D. O. Porter, J. P. Bordovsky, R. K. Boman, K. F. Bronson, and W. J. Keeling. Integrated subsurface drip irrigation management research program in the Texas Southern High Plains. Cropping System Initiative. 2006. Funded: \$40,000 (Account manager of \$4,500).
18. Parajulee, M. N. Motorized sprayer for Cotton Entomology Applied Research Program in the High Plains. Texas Agricultural Experiment Station. 2006. Funded: \$12,000.
19. Parajulee, M. N., R. F. Medina, C. G. Sansone, and C. P. Suh. INSECTeam funds to develop a cooperative research program between College Station and off-campus research Center in Insect Ecology. 2006. Funded: \$2,500.

20. Parajulee, M. N., S. Behemer, and J. S. Armstrong. INSECTeam funds to develop a cooperative research program between College Station and off-campus research Center in Insect Physiology. 2006. Funded: \$2,500.
21. *Parajulee, M. N. Supplemental funding from TAMU federal funds to compensate TTU/USDA funding through International Cotton Research Center. Texas Agricultural Experiment Station. 2007. Funded: \$8,461.
22. *Parajulee, M. N. Bridge funding to supplement TTU/USDA funding through International Cotton Research Center. Texas Tech University. 2007. Funded: \$12,977.
23. Nansen, C. and M. N. Parajulee. Procurement of specialized instrument for chemical ecology research in entomology. Texas Agricultural Experiment Station. 2007. Funded: \$18,000 (Account Manager of \$0, but the funding was shared and matched to purchase the GC-MS).
24. Parajulee, M. N. Acquisition of a tabletop autoclave for Cotton Entomology Research Program. Texas AgriLife Research. 2008. Funded: \$14,750.
25. Yang, Y., L. Wilson, C. Fernandez, M. Parajulee, J. Johnson. 2009. Cotton crop production decision support system (CropDSS) Part II: Integration and delivery of a pest management advisor. Texas AgriLife Cropping System Grants Program. Funded: \$80,000 (Account Manager of \$25,500).
26. Dever, J., R. Wright, T. Wheeler, M. Parajulee, J. Starr. 2009. Mining genes for Texas cotton: Identify and deploy genes that confer resistance to insect, disease and nematode pests. Texas AgriLife Cotton Improvement Program. Funded: \$70,000 (Account Manager of \$19,500).
27. Keeling, W., J. Sij, J. Bordovsky, T. Wheeler, K. Bronson, R. Boman, E. Hequet, M. Parajulee, C. Trostle, J. Johnson, T. Baughman. 2009. Integrated production systems to enhance cotton quality for global markets. Texas AgriLife Cropping System Grants Program. Funded: \$145,000 (Account Manager of \$12,000).
28. Yang, Y., L. Wilson, C. Fernandez, M. Parajulee, J. Johnson. 2010. Cotton crop production decision support system (CropDSS) Part II: Integration and delivery of a pest management advisor. Texas AgriLife Cropping System Grants Program. Funded: \$80,000 (Account Manager of \$24,225).
29. Dever, J., R. Wright, T. Wheeler, M. Parajulee, J. Starr. 2010. Mining genes for Texas cotton: Identify and deploy genes that confer resistance to insect, disease and nematode pests. Texas AgriLife Cotton Improvement Program. Funded: \$70,000 (Account Manager of \$19,070).
30. Keeling, W., J. Sij, J. Bordovsky, T. Wheeler, K. Bronson, R. Boman, E. Hequet, M. Parajulee, C. Trostle, J. Johnson, T. Baughman. 2010. Integrated production systems to enhance cotton quality for global markets. Texas AgriLife Cropping System Grants Program. Funded: \$145,000 (Account Manager of \$11,400).
31. Keeling, W., P. DeLaune, J. Bordovsky, T. Wheeler, E. Hequet, J. Dever, M. Parajulee, G. Ritchie, J. Johnson, T. Baughman, and J. Wanjura. 2011. Integrated production systems to enhance cotton quality for global markets. Texas AgriLife Cropping System Grants Program. Funded: \$125,000 (Account Manager of \$12,000).
32. Keeling, W., P. DeLaune, J. Bordovsky, T. Wheeler, E. Hequet, J. Dever, M. Parajulee, G. Ritchie, J. Johnson, T. Baughman, and J. Wanjura. 2012. Integrated production systems to enhance cotton quality for global markets. Texas AgriLife Cropping System Grants Program. Funded: \$125,000 (Account Manager of \$12,000).
33. Keeling, W., P. DeLaune, J. Bordovsky, T. Wheeler, E. Hequet, J. Dever, M. Parajulee, G. Ritchie, J. Johnson, T. Baughman, and J. Wanjura. 2013. Integrated production systems to enhance cotton quality for global markets. Texas A&M AgriLife Cropping System Grants Program. Funded: \$125,000 (Account Manager of \$12,000).
34. Keeling, W., P. DeLaune, J. Bordovsky, T. Wheeler, E. Hequet, J. Dever, M. Parajulee, G. Ritchie, and J. Wanjura. 2014. Integrated production systems to enhance cotton quality for global markets. Texas A&M AgriLife Cropping System Grants Program. Funded: \$125,000 (Account Manager of \$12,000).
35. Keeling, W., J. Bordovsky, T. Wheeler, J. Woodward, K. Lewis, G. Ritchie, M. Parajulee, P. DeLaune, and R. Williams. 2015. Sustaining soil and water resources in the Texas High Plains through innovative crop management strategies. Texas A&M AgriLife Cropping System Grants Program. Funded: \$125,000 (Account Manager of \$7,500).
36. Keeling, W., J. Bordovsky, T. Wheeler, J. Woodward, K. Lewis, G. Ritchie, M. Parajulee, P.

DeLaune, and R. Williams. 2016. Sustaining soil and water resources in the Texas High Plains through innovative crop management strategies. Texas A&M AgriLife Cropping System Grants Program. Funded: \$125,000 (Account Manager of \$7,500).

37. Keeling, W., J. Bordovsky, T. Wheeler, J. Woodward, K. Lewis, G. Ritchie, M. Parajulee, P. DeLaune, and R. Williams. 2017. Sustaining soil and water resources in the Texas High Plains through innovative crop management strategies. Texas A&M AgriLife Cropping System Grants Program. Funded: \$125,000 (Account Manager of \$7,500).

External funding (* indicates non-competitive)

1. Parajulee, M. N. (PI). Bionomics and management of *Callosobruchus maculatus* on stored legumes. Agricultural Manpower Development Project (World Bank), Nepal. 1988. Funded: \$10,000.
2. Parajulee, M. N. (PI). Rearing non-mulberry silkworms for cocoon production. Agricultural Manpower Development Project (World Bank), Nepal. 1989. Funded: \$30,000.
3. Parajulee, M. N. (PI). Development of a population growth model for the predator *Lyctocoris campestris* feeding on the Indianmeal moth, *Plodia interpunctella*. USDA-ARS Specific Cooperative Agreement Grant, Savannah, GA. 1993. Funded: \$21,128.
4. Parajulee, M. N. (PI). Special International Travel Grant. Insects Limited, Inc., Indianapolis, IN. 1994. Funded: \$1,000.
5. Parajulee, M. N. (Co-PI), J. E. Slosser, and L. T. Wilson. Cotton aphid population dynamics modeling. Cotton Incorporated and Texas State Support Committee. 2001. Funded: \$30,000 (Account Manager of \$10,000).
6. Parajulee, M. N. (PI). Effects of various seed cotton handling and ginning practices on boll weevil survival. USDA-ARS Cooperative Agreement Grant, Lubbock, TX. 2001. Funded: \$42,500.
7. Parajulee, M. N. (PI). Cotton arthropod research in light of boll weevil eradication in the Texas High Plains. Plains Cotton Growers, Incorporated. 2001. Funded: \$15,000.
8. Parajulee, M. N. (PI). Effects of various seed cotton handling and ginning practices on boll weevil survival. USDA-ARS Cooperative Agreement Grant, Lubbock, TX. 2002. Funded: \$42,500.
9. *Parajulee, M. N. (PI). Beltwide *Helicoverpa* resistance management. USDA-ARS Cooperative Agreement Grant, Stoneville, MS. 2002. Funded: \$3,000.
10. Parajulee, M. N. (PI). Exploiting natural enemies in cotton insect pest management following boll weevil eradication in the Texas High Plains: Transition from pesticide risks. U. S. Environmental Protection Agency. 2002. Funded: \$67,490 (2-yr funding).
11. Parajulee, M. N. (PI). Identifying factors affecting population abundance of *Lygus* species in Texas High Plains cotton. Texas Department of Agriculture. 2002. Funded: \$14,800.
12. Parajulee, M. N. (PI). Quantifying the natural enemy profile and developing a decision rule system for predators in cotton agroecosystems. Texas Department of Agriculture. 2002. Funded: \$10,000.
13. Parajulee, M. N. (Co-PI), J. E. Slosser, and L. T. Wilson. Cotton aphid population dynamics modeling. Cotton Incorporated and Texas State Support Committee. 2002. Funded: \$30,000 (Account Manager of \$10,000).
14. Parajulee, M. N. (PI). Investigating host source of *Lygus* bugs in the Texas High Plains. Cotton Incorporated Core Program. 2002. Funded: \$6,000.
15. Parajulee, M. N. (PI). Quantifying arthropod complex for Texas High Plains cotton agroecosystems following boll weevil eradication. USDA-ARS CSREES Competitive Grants Program through International Cotton Research Center. 2002. Funded: \$43,501.
16. *Parajulee, M. N. (PI). Cotton arthropod research in light of boll weevil eradication in the Texas High Plains. Plains Cotton Growers, Incorporated. 2002. Funded: \$15,000.
17. Parajulee, M. N. (PI). Investigating host source of *Lygus* bugs in the Texas High Plains. Cotton Incorporated Core Program. 2003. Funded: \$10,000.
18. Parajulee, M. N. (Co-PI), J. E. Slosser, and L. T. Wilson. Cotton aphid population dynamics modeling. Cotton Incorporated and Texas State Support Committee. 2003. Funded: \$30,000 (Account Manager of \$10,000).
19. Parajulee, M. N. (PI). Quantifying arthropod complex for Texas High Plains cotton agroecosystems following boll weevil eradication. USDA-ARS CSREES Competitive Grants Program through International Cotton Research Center. 2003. Funded: \$26,590.
20. Parajulee, M. N. (PI). Quantifying the role of conservation tillage system on arthropod predators in cotton. Texas Department of Agriculture. 2003. Funded: \$9,959.

21. Parajulee, M. N. (PI) and J. F. Leser (Co-PI). Factors affecting population abundance of *Lygus* species in Texas High Plains cotton and development of a *Lygus* sampling plan. Cotton Incorporated Texas State Support Committee. 2003. Funded: \$25,000.
22. *Parajulee, M. N. (PI). Beltwide *Helicoverpa* resistance management. USDA-ARS Cooperative Agreement Grant, Stoneville, MS. 2003. Funded: \$3,000.
23. *Parajulee, M. N. (Co-PI and Account Manager), J. F. Leser, and R. K. Boman. Evaluating the merits of sub-threshold effects of the Bollgard technology on the economics of bollworm management. Plains Cotton Growers, Incorporated, Lubbock, Texas. 2003. Funded: \$15,000.
24. *Parajulee, M. N. (Co-PI and Account Manager), J. F. Leser, and R. K. Boman. Evaluating the merits of sub-threshold effects of the Bollgard technology on the economics of bollworm management. Monsanto Company, Memphis, TN. 2003. Funded: \$6,000.
25. *Parajulee, M. N. (PI). Cotton arthropod research in light of boll weevil eradication in the Texas High Plains. Plains Cotton Growers, Incorporated. 2003. Funded: \$15,000.
26. Parajulee, M. N. (PI). Investigating host source of *Lygus* bugs in the Texas High Plains. M. N. Parajulee (PI), Cotton Incorporated Core Program. 2004. Funded: \$10,000.
27. Parajulee, M. N. (PI) and J. F. Leser. Factors affecting population abundance of *Lygus* species in Texas High Plains cotton and development of a *Lygus* sampling plan. Cotton Incorporated Texas State Support Committee. 2004. Funded: \$25,000.
28. Parajulee, M. N. (Co-PI and Account Manager), J. F. Leser, and R. K. Boman. Evaluating the merits of sub-threshold effects of the Bollgard technology on the economics of bollworm management. Cotton Incorporated Texas State Support Committee. 2004. Funded: \$20,000.
29. *Parajulee, M. N. (Co-PI and Account Manager), J. F. Leser, and R. K. Boman. Evaluating the merits of sub-threshold effects of the Bollgard technology on the economics of bollworm management. Monsanto Company, Memphis, TN. 2004. Funded: \$6,000.
30. Parajulee, M. N. (Co-PI), J. E. Slosser, and L. T. Wilson. Cotton aphid population dynamics modeling. Cotton Incorporated. 2004. Funded: \$15,500 (Account Manager of \$5,500).
31. *Parajulee, M. N. (PI). Beltwide *Helicoverpa* resistance management. USDA-ARS Cooperative Agreement Grant, Stoneville, MS. 2004. Funded: \$3,000.
32. Parajulee, M. N. (Co-PI and Account Manager) and J. F. Leser. Validation of the new COTMAN compensation capacity value for Texas High Plains cotton using plant bug induced square damage. Cotton Incorporated Core Program. 2004. Funded: \$19,000.
33. Parajulee, M. N. (PI) and J. F. Leser. Quantifying the level of cotton aphid and bollworm population suppression by lady beetles and green lacewings: Potential reduction in insecticide use in cotton production. USDA-ARS CSREES Competitive Grants Program through International Cotton Research Center. 2004. Funded: \$55,318.
34. Parajulee, M. N. (Co-PI), A. M. Cranmer, S. A. Russell, J. F. Leser, and W. L. Multer. Developing best management practices for the increasing pink bollworm problem in west Texas cotton. Texas Department of Agriculture. 2005. Funded: \$14,813 (Account Manager of \$0).
35. Parajulee, M. N. (PI) and J. F. Leser. Roadside alfalfa: A management plan to reduce *Lygus* problem in adjacent cotton fields. Texas Department of Agriculture. 2005. Funded: \$14,936.
36. Parajulee, M. N. (PI) and J. F. Leser. Validation of the new COTMAN compensation capacity value for Texas High Plains cotton using plant bug induced square damage. Cotton Incorporated State Support Committee. 2005. Funded: \$25,000.
37. Parajulee, M. N. (PI). Investigating host source of *Lygus* bugs in the Texas High Plains. M. N. Parajulee (PI), Cotton Incorporated Core Program. 2005. Funded: \$10,000.
38. Parajulee, M. N. (PI) and J. F. Leser. Roadside alfalfa management strategies to reduce *Lygus* problem in adjacent cotton fields. Cotton Incorporated Core Program. 2005. Funded: \$19,705.
39. Parajulee, M. N. (PI) and J. F. Leser. Quantifying the level of cotton aphid and bollworm population suppression by lady beetles and green lacewings: Potential reduction in insecticide use in cotton production. USDA-ARS CSREES Competitive Grants Program through International Cotton Research Center. 2005. Funded: \$58,894.
40. Parajulee, M. N. (Co-PI), T. A. Wheeler, J. F. Leser, and J. W. Keeling. Impact of biodegradation of aldicarb by soil microbes on nematodes and thrips control on cotton and the evaluation of possible management approaches in the Texas High Plains. USDA CSREES Competitive Grants through International Cotton Research Center. 2005. Funded: \$46,310 (Account Manager of \$0).
41. *Parajulee, M. N. (PI) and J. F. Leser. Quantifying the tolerance level of Bollgard II cotton to

- cotton bollworm pressure. Monsanto Company, Memphis, TN. 2005. Funded: \$5,000.
42. *Parajulee, M. N. (PI). Ecological approach to cotton insect management in the Texas High Plains. Plains Cotton Growers, Incorporated, 2005. Funded: \$30,000.
 43. Parajulee, M. N. (PI) and J. F. Leser. Validation of the new COTMAN compensation capacity value for Texas High Plains cotton using plant bug induced square damage. Cotton Incorporated State Support Committee. 2006. Funded: \$25,000.
 44. Parajulee, M. N. (PI). Roadside alfalfa management strategies to reduce *Lygus* problem in adjacent cotton fields. Cotton Incorporated Core Program. 2006. Funded: \$19,705.
 45. Parajulee, M. N. (PI). COTMAN compensation capacity value for the high input drip irrigated production system using *Lygus*-induced fruit damage. Cotton Incorporated Core Program. 2006. Funded: \$20,197.
 46. *Parajulee, M. N. (PI). Evaluating the economics of Bollgard II®/Roundup Ready Flex cotton versus Roundup Ready Flex only cotton under simulated commercial production conditions. Monsanto Company. 2006. Funded: \$5,000.
 47. Parajulee, M. N. (PI) and R. K. Boman. Quantifying cotton compensation ability to *Lygus*-induced fruit loss under a high input drip irrigation system. USDA-ARS CSREES Competitive Grants Program through International Cotton Research Center. 2006. Funded: \$41,000.
 48. Ellsworth, P., P. Goodell, M. N. Parajulee, S. Bundy, S. Naranjo, J. Bancroft, J. Blackmer, Y. Carriere, J. Palumbo, A. Fournier, L. Godfrey, J. Hagler, M. McGuire, J. Rosenheim. Developing and implementing field and landscape level reduced-risk management strategies for *Lygus* in western cropping systems. USDA-RAMP CSREES Competitive Grants Program. 2007. Funded: \$2,500,000 (Account Manager of \$427,500).
 49. *Parajulee, M. N. (PI). Ecological approach to cotton insect management in the Texas High Plains. Plains Cotton Growers, Incorporated, 2007. Funded: \$30,000.
 50. Parajulee, M. N. (PI) and J. F. Leser. Validation of the new COTMAN compensation capacity value for Texas High Plains cotton using plant bug induced square damage. CI-State Support Committee. 2007. Funded: \$25,000.
 51. Parajulee, M. N. (PI). Roadside alfalfa management strategies to reduce *Lygus* problem in adjacent cotton fields. Cotton Incorporated Core Program. 2007. Funded: \$19,705.
 52. Parajulee, M. N. (PI). COTMAN compensation capacity value for the high input drip irrigated production system using *Lygus*-induced fruit damage. Cotton Incorporated Core Program. 2007. Funded: \$20,197.
 53. Parajulee, M. N. (PI). Understanding the sources of thrips infesting seedling cotton and developing management recommendations. CI-State Support Committee. 2007. Funded: \$25,000.
 54. Parajulee, M. N. (Co-PI), P. Porter, N. McEntyre, B. Baugh. Control of the larger black flour beetle in extended storage of cotton gin trash. CI-State Support Program. 2007. Funded: \$16,000.
 55. Parajulee, M. N. (PI). COTMAN compensation capacity value for the high input drip irrigated production system using *Lygus*-induced fruit damage. Cotton Incorporated Core Program. 2008. Amount Funded: \$20,000.
 56. Parajulee, M. N. COTMAN monitoring of agronomic and entomological parameters in the evaluation of nitrogen fertility rate in drip irrigated cotton. Cotton Inc. Core Program. 2008. Funded: \$22,500.
 57. Parajulee, M. N. (Co-PI), P. Porter, N. McEntyre, B. Baugh. Control of the larger black flour beetle in extended storage of cotton gin trash. Cotton Incorporated State Support Program. 2008. Funded: \$16,000 (Account Manager of: \$0).
 58. Parajulee, M. N. (Co-PI), D. L. Kerns. Understanding the sources of thrips infesting seedling cotton and developing management recommendations. Cotton Incorporated State Support Committee. 2008. Funded: \$25,000 (Account Manager of \$0).
 59. Parajulee, M. N., D. L. Kerns. Evaluation of western tarnished plant bug as a late season pest of cotton. Cotton Incorporated State Support Committee. 2008. Funded: \$25,000.
 60. Parajulee, M. N., and D. L. Kerns. Quantifying the economic damage potential of plant bug in Texas High Plains cotton and developing management recommendations. USDA-ARS CSREES Competitive Grants Program/International Cotton Research Center. 2008. Funded: \$45,864.
 61. Parajulee, M.N. (Co-PI), S. Bilimoria, H. Zhang. Generation of transgenic Arabidopsis and cotton against boll weevils and aphids. Texas Tech University Research Development Grant. 2008-2010. Funded: \$294,998.

62. *Parajulee, M. N., D. L. Kerns. Ecological approach to cotton insect management in the Texas High Plains. Plains Cotton Growers, Incorporated, 2008. Funded: \$30,000.
63. Parajulee, M. N. COTMAN monitoring of agronomic and entomological parameters in the evaluation of nitrogen fertility rate in drip irrigated cotton. Cotton Inc. Core Program. 2009. Funded: \$22,556.
64. Parajulee, M. N., and D. L. Kerns. Evaluating varietal difference in COTMAN compensation capacity value in drip-irrigated cotton using *Lygus*-induced fruit damage. Cotton Incorporated Core Program. 2009. Funded: \$23,000.
65. Parajulee, M. N., D. L. Kerns. Evaluation of western tarnished plant bug as a late season pest of cotton. Cotton Incorporated State Support Committee. 2009. Funded: \$25,000.
66. *Parajulee, M. N., D. L. Kerns. Ecological approach to cotton insect management in the Texas High Plains. Plains Cotton Growers, Incorporated, 2009. Funded: \$30,000.
67. Parajulee, M. N., and D. L. Kerns. Quantifying the economic damage potential of plant bug in Texas High Plains cotton and developing management recommendations. USDA-ARS CSREES Competitive Grants Program/International Cotton Research Center. 2009. Funded: \$43,051.
68. Kerns, D. L., and M. N. Parajulee (Co-PI). Understanding the sources of thrips infesting seedling cotton and developing management recommendations. Cotton Incorporated State Support Committee. 2009. Funded: \$25,000 (Account Manager of \$0).
69. Nansen, C., T. Wheeler, P. Porter, M. Parajulee, and B. Baugh. Innovative control of the larger black flour beetle in cotton gin trash piles. Cotton Incorporated State Support Committee. 2009. Funded: \$32,000 (Account Manager of \$0).
70. Nansen, C., M. Parajulee, J. Dever, and P. Porter. Better understanding of how water stress of cotton plants affects susceptibility to insect pests. Cotton Incorporated State Support Committee. 2009. Funded: \$35,000 (Account Manager of \$0).
71. Parajulee, M. N. COTMAN monitoring of agronomic and entomological parameters in the evaluation of nitrogen fertility rate in drip irrigated cotton. Cotton Inc. Core Program. 2010. Funded: \$22,556.
72. Parajulee, M. N., and D. L. Kerns. Evaluating varietal difference in COTMAN compensation capacity value in drip-irrigated cotton using *Lygus*-induced fruit damage. Cotton Incorporated Core Program. 2010. Amount Funded: \$23,000.
73. Parajulee, M. N., D. L. Kerns. Evaluation of western tarnished plant bug as a late season pest of cotton. Cotton Incorporated State Support Committee. 2010. Amount Funded: \$25,000.
74. *Parajulee, M. N., D. L. Kerns. Ecological approach to cotton insect management in the Texas High Plains. Plains Cotton Improvement Program, 2010. Funded: \$35,000.
75. Kerns, D. L. and M. N. Parajulee (Co-PI). Understanding the sources of thrips infesting seedling cotton and developing management recommendations. Cotton Incorporated State Support Committee. 2010. Funded: \$25,000 (Account Manager of \$0).
76. Nansen, C., T. Wheeler, P. Porter, M. Parajulee, and B. Baugh. Innovative control of the larger black flour beetle in cotton gin trash piles. Cotton Incorporated State Support Committee. 2010. Funded: \$32,000 (Account Manager of \$0).
77. Nansen, C., M. Parajulee, J. Dever, and P. Porter. Better understanding of how water stress of cotton plants affects susceptibility to insect pests. Cotton Incorporated State Support Committee. 2010. Funded: \$35,000 (Account Manager of \$0).
78. Dever, J. K., M. N. Parajulee, D. L. Kerns, and M. D. Arnold. Development of cultivars and IPM systems for organic cotton production. USDA-NIFA. 2010. Funded: \$661,437.
79. Parajulee, M. N., R. B. Shrestha, and T. I. Matis. Texas High Plains *Lygus* bugs: Investigation of predisposition factors causing outbreaks in order to strengthen cotton pest management strategies. USDA-NIFA, International Cotton Research Center. 2010. Funded: \$55,483.
80. Parajulee, M. N. Regulated trial for the evaluation of cotton transgenic traits for *Lygus*. Monsanto Company. 2010. Funded: \$32,000.
81. Parajulee, M. N. COTMAN monitoring of agronomic and entomological parameters in the evaluation of nitrogen fertility rate in drip irrigated cotton. Cotton Inc. Core Program. 2011. Funded: \$22,867.
82. Parajulee, M. N., and D. L. Kerns. Evaluating varietal difference in COTMAN compensation capacity value in drip-irrigated cotton using *Lygus*-induced fruit damage. Cotton Incorporated Core Program. 2011. Funded: \$24,000.

83. Parajulee, M. N., D. L. Kerns. Evaluation of western tarnished plant bug as a late season pest of cotton. Cotton Incorporated State Support Committee. 2011. Funded: \$25,000.
84. *Parajulee, M. N., D. L. Kerns. Ecological approach to cotton insect management in the Texas High Plains. Plains Cotton Improvement Program, Plains Cotton Growers, Inc., 2011. Funded: \$35,000.
85. Kerns, D. L. and M. N. Parajulee (Co-PI). Understanding the sources of thrips infesting seedling cotton and developing management recommendations. Cotton Incorporated State Support Committee. 2011. Funded: \$25,000 (Account Manager of \$0).
86. Nansen, C., T. Wheeler, P. Porter, M. Parajulee, and B. Baugh. Innovative control of the larger black flour beetle in cotton gin trash piles. Cotton Incorporated State Support Committee. 2011. Funded: \$32,000 (Account Manager of \$0).
87. Nansen, C., M. Parajulee, J. Dever, and P. Porter. Better understanding of how water stress of cotton plants affects susceptibility to insect pests. Cotton Incorporated State Support Committee. 2011. Funded: \$35,000 (Account Manager of \$0).
88. Parajulee, M. N. Regulated trial for the evaluation of cotton transgenic traits for *Lygus*. Monsanto Company. 2011. Amount Funded: \$39,000.
89. Brewer, M. and M. Parajulee. Cotton fleahopper and its damage to cotton: Study on effects of plant water stress and insect seasonality. Cotton Incorporated Core Program. 2011. Funded: \$13,500 (Account Manager of \$4,458).
90. Parajulee, M. N. Regulated trial for the evaluation of cotton transgenic traits for *Lygus*. Monsanto Company. 2012. Funded: \$42,000.
91. Parajulee, M. N. 2012. Regulated trial for the evaluation of TwinLink cotton technology. Bayer CropScience. Funded: \$5,000.
92. Parajulee, M. N., R. B. Shrestha, D. L. Kerns. Development of economic threshold and management recommendations for *Lygus* in Texas High Plains cotton. Cotton Incorporated State Support Committee. 2012. Funded: \$30,000.
93. Brewer, M. and M. Parajulee. Cotton fleahopper and its damage to cotton: Study on effects of plant water stress and insect seasonality. Cotton Incorporated Core Program. 2012. Funded: \$11,000 (Account Manager of \$3,485).
94. Parajulee, M. N. COTMAN monitoring of agronomic and entomological parameters in the evaluation of nitrogen fertility rate in drip irrigated cotton. Cotton Inc. Core Program. 2012. Funded: \$22,867.
95. Parajulee, M. N. Characterization of cotton crop response to thrips injury for improved thrips management in Texas High Plains cotton. Cotton Inc. Core Program. 2012. Funded: \$27,000.
96. Parajulee, M. N. Insect pest management in Texas High Plains cotton. Plains Cotton Improvement Program, Plains Cotton Growers, Incorporated, 2012. Funded: \$35,000.
97. Parajulee, M. N. Regulated trial for the evaluation of cotton transgenic traits for *Lygus*. Monsanto Company. 2013. Funded: \$30,000.
98. Parajulee, M. N., and R. B. Shrestha. Development of economic threshold and management recommendations for *Lygus* in Texas High Plains cotton. Cotton Incorporated State Support Committee. 2013. Funded: \$30,000.
99. Brewer, M., and M. Parajulee. Cotton fleahopper and its damage to cotton: Study on effects of plant water stress and insect seasonality. Cotton Inc. Core Program. 2013. Funded: \$11,000 (Account Manager of \$3,485).
100. Parajulee, M. N. COTMAN monitoring of agronomic and entomological parameters in the evaluation of nitrogen fertility rate in drip irrigated cotton. Cotton Inc. Core Program. 2013. Funded: \$22,867.
101. Parajulee, M. N. Characterization of cotton crop response to thrips injury for improved thrips management in Texas High Plains cotton. Cotton Inc. Core Program. 2013. Funded: \$27,000.
102. Parajulee, M. N. Insect pest management in Texas High Plains cotton. Plains Cotton Improvement Program, Plains Cotton Growers, Incorporated, 2013. Funded: \$35,000.
103. Parajulee, M. N. Thrips management in Texas High Plains cotton. Cotton Incorporated State Support Committee. 2013. Funded: \$20,000.
104. Parajulee, M. N. Evaluation of plant growth products for insect tolerance to thrips in cotton. Stoller USA Corporation. 2013. Funded: \$10,000.
105. Parajulee, M. N. Development of economic threshold and management recommendations for *Lygus*

- in Texas High Plains cotton. Cotton Incorporated State Support Committee. 2014. Funded: \$30,000.
106. Barman, A. K., and M. N. Parajulee. Thrips management in Texas High Plains cotton. Cotton Incorporated State Support Committee. 2014. Funded: \$20,000 (Account Manager of \$0).
 107. Barman, A. K., and M. N. Parajulee. Survey of thrips species composition and efficacy of insecticide seed treatments on thrips populations in Texas cotton. Cotton Incorporated Core Program. 2014. Funded: \$51,000 (Account Manager of \$12,000).
 108. Parajulee, M. N. Screening of T₀ and T₁ cotton transgenic lines for caterpillar management. Bayer CropScience. 2014. Funded: \$14,000.
 109. Parajulee, M. N. Characterization of cotton crop response to thrips injury for improved thrips management in Texas High Plains cotton. Cotton Inc. Core Program. 2014. Funded: \$25,000.
 110. Parajulee, M. N. Insect pest management in Texas High Plains cotton. Plains Cotton Improvement Program, Plains Cotton Growers, Incorporated, 2014. Funded: \$35,000.
 111. Parajulee, M. N. and A. K. Barman. Evaluation of cotton fleahopper damage potential and crop response to injury under variable nitrogen fertility levels. Cotton Inc. Core Program. 2014. Funded: \$20,000.
 112. Parajulee, M. N. Regulated trial for the evaluation of cotton transgenic traits for selected insect pest. Monsanto Company. 2014. Funded: \$46,000.
 113. Parajulee, M. N. Insecticide product testing on *Lygus* field populations. BASF Corporation. 2014. Funded: \$7,800.
 114. Parajulee, M. N. Evaluation of plant growth products for insect tolerance to thrips in cotton. Stoller USA Corporation. 2014. Funded: \$12,000.
 115. Parajulee, M. N. Evaluation of plant growth products for crop growth and yield in cotton. USAg, Inc. 2014. Funded: \$10,000.
 116. Nechols, J.R., J.R. Ruberson, S.N. Zukoff, D.C. Margolies, M.B. Kirkham, A.A. Swamy, M.N. Parajulee, and G.L. Ritchie. 2014. Cotton crop risk in changing environments: interaction of drought stress and early season arthropod pests. USDA NIFA (2014-2017). Funded: \$241,984 (Account Manager of \$97,325)
 117. Parajulee, M. N. Thrips management in Texas High Plains cotton. Cotton Incorporated State Support Committee. 2015. Funded: \$17,500.
 118. Bowling, R. and M. N. Parajulee. Survey of thrips species composition and efficacy of insecticide seed treatments on thrips populations in Texas cotton. Cotton Incorporated Core Program. 2015. Funded: \$51,000 (Account Manager of \$6000).
 119. Parajulee, M. N. and A. Hakeem. Evaluation of cotton fleahopper damage potential and crop response to injury under variable nitrogen fertility levels. Cotton Inc. Core Program. 2015. Funded: \$20,000.
 120. Parajulee, M. N. Development of economic threshold and management recommendations for *Lygus* in Texas High Plains cotton. Cotton Incorporated State Support Committee. 2015. Funded: \$20,000.
 121. Parajulee, M. N. Insect pest management in Texas High Plains cotton. Plains Cotton Improvement Program, Plains Cotton Growers, Incorporated, 2015. Funded: \$35,000.
 122. Parajulee, M. N. SkyRaider control of cotton fleahopper, *Pseudatomoscelis seriatus*, in cotton. ADAMA Agriculture Solutions, Ltd. 2015. Funded: \$7,000.
 123. Parajulee, M. N. Cotton monitoring program: Bollworm and tobacco budworm collections for resistance bioassays. Bayer CropScience. 2015. Funded: \$5,000.
 124. Parajulee, M. N. Evaluation of plant growth products for cotton and peanut maturity. Stoller USA Corporation. 2015. Funded: \$3,000.
 125. Parajulee, M. N. Thrips management in Texas High Plains cotton. Cotton Incorporated State Support Committee. 2016. Funded: \$15,000.
 126. Bowling, R., M. Brewer, C. Allen. Efficacy of insecticide seed treatments to thrips on cotton and fleahopper response to select cotton varieties in Texas. Cotton Incorporated Core Program. 2016. Funded: \$42,000 (Account Manager of \$5,550).
 127. Parajulee, M. N. and A. Hakeem. Evaluation of cotton fleahopper damage potential and crop response to injury under variable nitrogen fertility levels. Cotton Inc. Core Program. 2016. Funded: \$20,000.
 128. Parajulee, M. N. Monitoring the Old World bollworm, *Helicoverpa armigera*, in Texas toward

- developing potential management strategies. Cotton Incorporated State Support Committee. 2016. Funded: \$15,000.
- 129.Parajulee, M. N. Effect of *Lygus* on drought-stressed cotton. Cotton Incorporated Core Program. 2016. Funded: \$10,000.
- 130.Parajulee, M. N. Insect pest management in Texas High Plains cotton. Plains Cotton Improvement Program, Plains Cotton Growers, Incorporated, 2016. Funded: \$35,000.
- 131.Parajulee, M. N. Insecticide product testing on *Lygus* field populations. BASF Corporation. 2016. Funded: \$7,000.
- 132.Parajulee, M. N. International scholar (Tahammal Hussain) training fee. Pakistan Higher Education Commission. 2016. Funded: \$3,500.
- 133.Keeling, J. W., J. Bordovsky, J. Dever, J. Woodward, K. Lewis, M. Parajulee, and T. Wheeler. Using AGCARES to enhance cotton production and profitability for the Texas Southern High Plains. 2016. Funded: \$27,500 (collaborative team; no budget allocated to MNP).
- 134.Parajulee, M. N. International scholar (Mohammad Ismail) training fee. Pakistan Higher Education Commission. 2017. Funded: \$3,500.
- 135.Parajulee, M. N. Monitoring the Old World bollworm, *Helicoverpa armigera*, in Texas toward developing potential management strategies. TX State Support Committee. 2017. Funded: \$15,000.
- 136.Parajulee, M. N. Effect of *Lygus* on drought-stressed cotton. Cotton Incorporated Core Program. 2017. Funded: \$20,000.
- 137.Parajulee, M. N. Insect pest management in Texas High Plains cotton. Plains Cotton Improvement Program, Plains Cotton Growers, Incorporated, 2017. Funded: \$35,000.
- 138.Bowling, R., C. Allen, S. Vyavhare, D. Kerns, M. J. Brewer, and M. N. Parajulee. Developing management strategies for thrips, cotton fleahoppers, and boll sucking pests of cotton in the southwest region. Cotton Incorporated. 2017. Funded: \$42,000 (Account Manager of \$5,550).
- 139.Vyavhare, S., and M. N. Parajulee. Insect pest management on the Texas High Plains. Cotton Incorporated Texas State Support Program. 2017. Funded: \$15,000 (no budget allocated to MNP).
- 140.Keeling, J. W., J. Bordovsky, J. Dever, J. Woodward, K. Lewis, M. Parajulee, and T. Wheeler. Using AGCARES to enhance cotton production and profitability for the Texas Southern High Plains. 2017. Funded: \$27,500 (collaborative team; no budget allocated to MNP).
- 141.Parajulee, M. N. Monitoring the Old World bollworm, *Helicoverpa armigera*, in Texas toward developing potential management strategies. TX State Support Committee. 2018. Funded: \$15,000.
- 142.Parajulee, M. N. Effect of *Lygus* on drought-stressed cotton. Cotton Incorporated Core Program. 2018. Funded: \$20,000.
- 143.Parajulee, M. N., A. Hakeem, W. Keeling, K. Lewis, and S. Vyavhare. Economic evaluation of insect-pest management in water-deficit cotton production. TX State Support Program. 2018. Funded: \$20,000.
- 144.Parajulee, M. N. Insect pest management in Texas High Plains cotton. Plains Cotton Improvement Program, Plains Cotton Growers, Incorporated, 2018. Funded: \$35,000.
- 145.Brewer, M. J, S. Vyavhare, M. Parajulee, D. Kerns, and S. Biles. Seed treatments, cotton cultivars, and pyrethroid resistance in the southwest region. Cotton Incorporated Core Program. 2018. Funded: \$53,521 (Account Manager of \$5,000).
- 146.Vyavhare, S., and M. N. Parajulee. Insect pest management on the Texas High Plains. Cotton Incorporated Texas State Support Program. 2018. Funded: \$23,000 (no budget allocated to MNP).
- 147.Keeling, J. W., J. Bordovsky, J. Dever, J. Woodward, K. Lewis, M. Parajulee, and T. Wheeler. Using AGCARES to enhance cotton production and profitability for the Texas Southern High Plains. TX State Support Committee. 2018. Funded: \$27,500 (no budget allocated to MNP).
- 148.Parajulee, M. N., A. Hakeem, M. Toews, K. Lewis, D. McCallister, and S. Vyavhare. 2018. Developing insect-pest management strategies in water-deficit cotton production systems: Management recommendations for production sustainability. USDA NIFA Crop Protection and Pest Management Competitive Grants Program. 2018. Funded: \$324,603.
- 149.Parajulee, M. N. Effect of *Lygus* on drought-stressed cotton. Cotton Incorporated Core Program. 2019. Funded: \$30,000.
- 150.Parajulee, M. N., A. Hakeem, W. Keeling, K. Lewis, D. McCallister, and S. Vyavhare. Economic evaluation of insect-pest management in water-deficit cotton production. Cotton Incorporated Texas State Support Program. 2019. Funded: \$20,000.
- 151.Parajulee, M. N. Insect pest management in Texas High Plains cotton. Plains Cotton Improvement

- Program, Plains Cotton Growers, Incorporated, 2019. Funded: \$35,000.
152. Brewer, M. J, S. Vyavhare, M. Parajulee, D. Kerns, and S. Biles. Seed treatments, cotton cultivars, and pyrethroid resistance in the southwest region. Cotton Incorporated Core Program. 2019. Funded: \$53,521 (Account Manager of \$5,000).
153. Vyavhare, S., and M. N. Parajulee. Insect pest management on the Texas High Plains. Cotton Incorporated Texas State Support Program. 2019. Funded: \$18,000 (no budget allocated to MNP).
154. Keeling, J. W., J. Dever, T. Wheeler, K. Lewis, M. Parajulee, and J. Bordovsky. Using AGCARES to enhance cotton production and profitability for the Texas Southern High Plains. 2019. Funded: \$27,500 (collaborative team; no budget allocated to MNP).
155. Parajulee, M. N. Cotton fleahopper susceptibility and compensatory potential of three distinct phenological stages of pre-flower cotton in water-deficit production scenario. Cotton Incorporated Core Program. 2020. Funded: \$20,000.
156. Parajulee, M. N., A. Hakeem, W. Keeling, K. Lewis, D. McCallister, and S. Vyavhare. Economic evaluation of insect-pest management in water-deficit cotton production. Cotton Incorporated Texas State Support Program. 2020. Funded: \$30,000.
157. Parajulee, M. N. Insect pest management in Texas High Plains cotton. Plains Cotton Improvement Program, Plains Cotton Growers, Incorporated, 2020. Funded: \$35,000.
158. Brewer, M. J, S. Vyavhare, M. Parajulee, D. Kerns, and S. Biles. Seed treatments, cotton cultivars, and pyrethroid resistance in the southwest region. Cotton Incorporated Core Program. 2020. Funded: \$50,000 (Account Manager of \$5,500).
159. Vyavhare, S., and M. N. Parajulee. Insect pest management on the Texas High Plains. Cotton Incorporated Texas State Support Program. 2020. Funded: \$25,000 (no budget allocated to MNP).
160. Keeling, J. W., J. Dever, T. Wheeler, K. Lewis, M. Parajulee, and J. Bordovsky. Using AGCARES to enhance cotton production and profitability for the Texas Southern High Plains. 2020. Funded: \$25,000 (collaborative team; no budget allocated to MNP).
161. Parajulee, M. N., A. Hakeem, W. Keeling, K. Lewis, D. McCallister, and S. Vyavhare. Economic evaluation of insect-pest management in water-deficit cotton production. Cotton Incorporated Texas State Support Program. 2021. Funded: \$25,000.
162. Parajulee, M. N. Cotton fleahopper susceptibility and compensatory potential of three distinct phenological stages of pre-flower cotton in water-deficit production scenario. Cotton Incorporated Core Program. 2021. Funded: \$20,000.

IX. Publications, Presentations, and Professional Output

a) Publication

Summary of Publications and Scholarly Work

Publication Type	Career Total	Last 5 Years
Refereed/Peer-Reviewed Journal	114	30
Refereed Proceedings	4	0
Non-Refereed Proceedings	132	28
Scientific Abstracts	28	13
Book Edited	2	1
Book Chapters	7	3
Experiment Station Publications	47	10
Technical Reports	18	5
Grants and Contracts Reports	61	15
Extension Publications	9	1
Popular Articles/Interviews	20	4
<i>Total</i>	<i>442</i>	<i>110</i>
<i>Average - Refereed</i>	<i>5.9</i>	<i>6.0</i>
<i>Average - Non-Refereed</i>	<i>16.2</i>	<i>16.0</i>

Publication list

Refereed journal articles

1. **Parajulee, M. N.**, F. P. Neupane, and R. B. Thapa. 1989. Life and seasonal histories, host preference and control of the pulse beetle, *Callosobruchus maculatus* (L.) (Coleoptera: Bruchidae). *Journal of Institute of Agriculture and Animal Sciences* 10: 1-6.
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3. Bugs for hire: Siccing good insects on bad ones. *Science News* 147: 289-304, 1995.
4. Researchers investigate cotton irrigation strategies. *Texas A&M University Research in Review AgNews*, September 15, 2004.
5. Tiny fleahoppers can cause big problems: Early-season pressure from fleahoppers can take a bite out of final yields. *Cotton Grower Magazine*, p. 4-6, May 2005.
6. Research seeks answers to *Lygus* bug questions. *Texas A&M University AgNews*, August 5, 2005.
7. Research seeks answers to *Lygus* questions. *Southwest Farm Press*, August 12, 2005.
8. Inquiring minds want to know about cotton fleahoppers. *Texas A&M University Research in Review/ AgNews*, September 5, 2007.
9. Scouting is critical in insect management. *Cotton Farming*, June 10, 2008.
10. Here's a guide to what's crawling or flying around you. *Lubbock Avalanche Journal*, June 2008.
11. Tiny insect causes big problems for cotton. *Southwest farm Press* 35 (19): 12-16, October 2008.
12. Cotton research program saves Texas High Plains farmers from insect pests. Feature article at <http://insects.tamu.edu/feature/cotton/index.cfm>, April-May, 2009.
13. 100 years and counting as ag research continues. *Southwest Farm Press*, October 19, 2009.
14. Temik loss could reduce nematode control. *Southwest Farm Press*, October 13, 2010.
15. Termites, fleas and moths, oh my! Experts tell how to keep seasonal pests away. *Lubbock Avalanche Journal*, April 27, 2012.
16. Crop Reports – Insect Situation in the High Plains, *AgFax Southwest Cotton*, July 16, 2014.
17. Texas insect pressure varies in each region (<http://www.cottonfarming.com/special-report/texas-insect-pressure-varies-in-each-region/>), *Cotton Farming*, June 1, 2015.
18. Researcher: Keep weeds, prevent cotton bugs. *Lubbock Avalanche-Journal*, June 29, 2015.

19. Crop Reports – Insect Situation in the High Plains, AgFax Southwest Cotton, August 13, 2015.
20. Cotton Insects in the Texas High Plains, AgFax Southwest Cotton Report, August 23, 2018.

b) Presentation

Summary of Scientific and Professional Presentations

Career Total	Invited	Submitted	Total
International	68	28	96
National	47	201	248
Regional/State	42	59	101
Total	157	288	445
Average	6.3	11.5	17.8

Last 5 Years	Invited	Submitted	Total
International	23	17	40
National	2	38	40
Regional/State	7	8	15
Total	32	63	95
Average	6.4	12.6	19.0

Invited Presentations

International

1. **Parajulee, M. N.** and T. W. Phillips. 1992. Biology and field activity of *Lyctocoris campestris* (Heteroptera: Anthocoridae), a predator of stored-product insects. First International Symposium on Stored Grain Ecosystems, June 7-10, Winnipeg, Canada.
3. **Parajulee, M. N.** and T. W Phillips. 1994. Life history, predatory biology, and population ecology of *Lyctocoris campestris* (Heteroptera: Anthocoridae). The Sixth International Working Conference on Stored-Product Protection, April 17-23, Canberra, Australia.
4. **Parajulee, M. N.** and T. W Phillips. 1994. Monitoring field populations of *Lyctocoris campestris*, a predator of stored grain insects: Assessment of different trap designs. Special Trapping Workshop, The 6th International Working Conference on Stored-Product Protection, April 17-23, Canberra, Australia.
5. **Parajulee, M. N.**, D. R. Rummel, M. D. Arnold, and S. C. Carroll. 2004. Long-term seasonal abundance patterns of Heliothine species: Implications in pest management. The 15th International Plant Protection Congress, May 11-16, Beijing, China (Symposium Lead Organizer).
6. **Parajulee, M. N.** and R. B. Shrestha. 2004. Biological control of cotton aphids, *Aphis gossypii*, in cotton: Effectiveness of *Hippodamia convergens* and *Chrysoperla carnea*. The 22nd International Congress of Entomology, August 15-21, Brisbane, Australia (Symposium Lead Organizer).
7. **Parajulee, M. N.**, S. C. Carroll, M. D. Arnold, R. B. Shrestha, A. M. Cranmer, and P. L. Bommireddy. 2005. Species composition and host-plant sequence of *Lygus* bugs in the Texas High Plains. International Symposium on Ecology and Management of *Lygus* Plant Bugs, January 30-February 3, Ottawa, Canada.
8. **Parajulee, M. N.** 2007. Ecological approaches to pest management: Integrating basic and applied research in cotton IPM in the United States. Ghana Atomic Energy Commission Seminar Series, June 7, Accra, Ghana (Invited Speaker).
9. **Parajulee, M. N.** 2007. Overview of agricultural research/teaching programs at the Texas Agricultural Experiment Station and Texas Tech University: Opportunities for collaborative linkage. Ghana Atomic Energy Commission Seminar Series, June 7, Accra, Ghana (Invited Speaker).
10. **Parajulee, M. N.**, and A. K. Barman. 2007. Cotton compensation of *Lygus* induced square loss in a limited irrigation production regime. World Cotton Research Conference, September 10-14, Lubbock, TX (Invited Speaker).
11. Carroll, S. C., **M. N. Parajulee**, and M. D. Arnold. 2007. Survey of lady beetles (Coleoptera: Coccinellidae) found on Texas High Plains cotton, alfalfa and weeds. World Cotton Research Conference, September 10-14, Lubbock, TX.
12. Shrestha, R. B., **M. N. Parajulee**, and M. J. Grimson. 2007. SEM ultrastructure study of *Lygus hesperus* (Hemiptera: Miridae). World Cotton Research Conference, September 10-14, Lubbock, TX.
13. Barman, A. K., R. F. Medina, **M. N. Parajulee**, C. P. Suh, and C. G. Sansone. 2007. Developing

- AFLP markers to study genetic differentiation of the cotton fleahopper, *Pseudatomoscelis seriatus* (Reuter) (Hemiptera: Miridae). World Cotton Research Conference, September 10-14, Lubbock, TX.
14. **Parajulee, M. N.** 2008. Habitat manipulation in cotton IPM: Host plant utilization, host sequence, and host preference of *Lygus hesperus*. International Congress of Entomology, July 6-12, Durban, South Africa.
 15. **Parajulee, M. N.**, R. B. Shrestha, A. K. Barman, and S. C. Carroll. 2008. Ecologically intensive pest management in cotton agroecosystems: *Lygus hesperus* as a model system. Fourth International Conference of Plant Protection Institute, November 9-12, Dokki-Giza, Egypt (Keynote Speaker).
 16. **Parajulee, M. N.**, F.-J. Chen, and G. Feng. 2009. Impact of global warming on management of agricultural arthropods: Elevated CO₂ and tri-trophic interactions in cotton agroecosystems. International Congress of Global Warming on Biodiversity of Insects: Management and Conservation, February 9-12, Coimbatore, India (Congress Plenary Speaker).
 17. **Parajulee, M. N.** 2009. Ecologically intensive pest management in cotton agroecosystems: *Lygus hesperus* as a model system. Indian Agricultural Research Institute, February 6, New Delhi, India.
 18. **Parajulee, M. N.** 2009. Landscape level understanding of *Lygus hesperus* host preference and host utilization affecting *Lygus* management in cotton. 6th International IPM Conference, March 24-26, Portland, OR (Organized an Invited Symposium; Program Enhancement Funds were also awarded).
 19. **Parajulee, M. N.** 2009. Ecological approaches to agroecosystems management: Integration of basic and applied research. Chinese Academy of Sciences, October 20, Beijing, China.
 20. **Parajulee, M. N.** 2009. Impact of global warming on agroecosystems management: Elevated CO₂ and tritrophic interactions in cotton agroecosystems. University Seminar Series, October 23, Nanjing Agricultural University, Nanjing, China.
 21. **Parajulee, M. N.** 2009. Ecological approaches to agroecosystems management: Cotton Entomology Program as a model system. Department of Entomology Seminar Series, October 23, Nanjing Agricultural University, Nanjing, China.
 22. **Parajulee, M. N.** 2009. Effect of global warming and elevated CO₂ on tritrophic interactions in cotton agroecosystems. Sixth Asia-Pacific Congress of Entomology, October 18-21, Beijing, China.
 23. **Parajulee, M. N.** 2011. Ecologically intensive arthropod management in cotton: History, livelihood, science and technology. Chinese Academy of Sciences, July 10, Beijing, China.
 24. **Parajulee, M. N.** 2011. Cotton insect pest management research and outreach to serve farmers and industry clientele. Institute of Plant Protection, Shandong Academy of Agricultural Science, July 14, Jinan, China.
 25. **Parajulee, M. N.**, R. B. Shrestha, W. O. McSpadden, and S. C. Carroll. 2011. Development of a metapopulation approach for landscape-level *Lygus hesperus* management in Texas. World Cotton Research Conference, November 7-11, Mumbai, India.
 26. **Parajulee, M. N.** 2011. Ecological approaches to agroecosystem management: Texas Cotton Entomology Program as a model. CCS Haryana Agricultural University, November 16, Hisar, India.
 27. **Parajulee, M. N.** 2011. Ecological approaches to pest management: Texas Cotton Entomology Program as a model. Y. S. Parmar University of Horticulture and Forestry Inaugural University Seminar Series, November 19, Solan, India.
 28. **Parajulee, M. N.** 2011. Prospect of ecological approaches to pest management in developing countries. Government of Nepal Directorate of Plant Protection, November 24, Kathmandu, Nepal.
 29. Ellsworth, P. C, P. B. Goodell, **M. N. Parajulee**, S. Bundy, S. Naranjo, Y. Carriere, A. Fournier, L. Godfrey, J. Hagler, J. Palumbo, J. Rosenheim, D. Kerns, and A. Corbett. 2011. Developing and implementing field and landscape level reduced-risk management strategies for *Lygus* in western cropping systems. Seventh International IPM Symposium, March 27-29, Memphis, TN.
 30. Brewer, M. J., N. C. Elliott, and **M. N. Parajulee**. 2012. Area-wide pest management of sucking bugs in temperate climates benefits from a landscape perspective in managing vegetation: Lessons from field crops of the North American Great Plains. International Congress of Entomology, August 19-25, Daegu, South Korea.
 31. **Parajulee, M. N.**, R. B. Shrestha, W. O. McSpadden, and S. C. Carroll. 2012. Landscape-level cultural control as an arthropod pest management approach in Texas High Plains cotton agroecosystems. International Congress of Entomology, August 19-25, Daegu, South Korea.
 32. Shrestha, R. B., and **M. N. Parajulee**. 2012. Influence of transgenic Bt-cotton on predacious arthropod assemblage and their impact on non-target pest suppression in Texas. International Congress of Entomology, August 19-25, Daegu, South Korea.

33. **Parajulee, M. N.**, D. Zhaoke, F. Ge, and R. B. Shrestha. 2012. Climate change and pest management: Horizontal and vertical distribution of existing pests as a result of climate change and possible modifications in management strategies. International Symposium on Food Security Dilemma: Plant Health and Climate Change Issues, December 7-9, Kalyani, West Bengal, India.
34. **Parajulee, M. N.** 2013. Current status of research on whitefly management in cotton. XII Reunión de la Asociación Latinoamericana de Investigación y Desarrollo del Algodón (ALIDA), September 28-October 4, Cartagena, Colombia.
35. **Parajulee, M. N.** 2013. Integrated approach to cotton arthropod management: History, livelihood, and technological advancement. University Invited Seminar, November 23, Department of Biotechnology and Genetic Engineering, Bharathidashan University, Tiruchirappalli, India.
36. **Parajulee, M. N.** 2013. Impact of global warming on agricultural insects and biotechnological advancement. Third International Congress of Global Warming on Biodiversity of Insects: Management and Conservation Strategies, November 26-28, Coimbatore, India (Plenary Speaker).
37. **Parajulee, M. N.** 2013. Biopesticides in ecologically intensive pest management: Role of arthropod predators in cotton agroecosystems. Fourth Biopesticide International Conference, November 28-30, Palayamkottai, India (Plenary Speaker).
38. **Parajulee, M. N.** 2014. Impact of global warming on agricultural pest management and biotechnological advancement. Forum for Rural Welfare and Agricultural Reform for Development, February 25, Kshetrapur, Chitwan, Nepal.
39. **Parajulee, M. N.** 2014. Integrated approach to cotton arthropod management in the world's largest cotton patch. Loyola College, Department of Biotechnology, March 11, Chennai, India.
40. **Parajulee, M. N.** 2014. Fulbright experience in agroecosystems research and teaching in Nepal: Opportunity for fostering collaborative linkages. South and Central Asia Fulbright Conference, March 10-12, Chennai, India.
41. **Parajulee, M. N.** 2014. Fulbright experience in agriculture research, teaching, and outreach in Nepal: Opportunity for fostering collaborative linkages. Sixth International Conference on National Development: Opportunities and Challenges for the Diaspora, March 22, New Mexico State University, Las Cruces, NM.
42. **Parajulee, M. N.** 2014. Fulbright experience in agriculture research in Nepal: Fostering collaborative linkages in cotton agroecosystems research in Uzbekistan. U.S. Fulbright South and Central Asia Regional Program Meeting, April 20-28, Tashkent and Samarkand, Uzbekistan (5 locations).
43. **Parajulee, M. N.** 2014. Agricultural research, teaching, and outreach in Nepal: Current status, challenges, and collaborative opportunities. Fulbright Forum, June 4, United States Education Foundation, Kathmandu, Nepal.
44. **Parajulee, M. N.** 2014. Ecologically-intensive arthropod pest management in cotton agroecosystems in the Texas High Plains: Integration of pest management components in a basic-applied continuum. Xth European Congress of Entomology, August 3-8, York, England (Keynote lecture).
45. **Parajulee, M. N.** 2014. Nitrogen fertility and cotton aphid management. Nanjing Agriculture University, September 5, Nanjing, China (Honorary Professor lecture).
46. **Parajulee, M. N.** 2015. Integrated cropping systems approach to arthropod pest management in Texas cotton. 18th International Plant Protection Congress, August 24-28, Berlin, Germany.
47. **Parajulee, M. N.** 2015. Developing management thresholds for mirid pests in cotton. Nanjing Agriculture University, December 22, Nanjing, China (Honorary Professor lecture).
48. **Parajulee, M. N.** 2016. Ecological management of *Lygus* bugs in Texas cotton. World Cotton Research Conference-6, May 2-6, Goiania, Brazil.
49. **Parajulee, M. N.** 2016. Manejo de la mosca blanca (*Homóptera: Aleyrodidae*) en el cultivo del algodónero (Management of whitefly on cotton). Seminario Internacional Insectos Perjudiciales en el Algodonero, Corporación Colombiana de Investigación Agropecuaria, June 15, Ibagué, Colombia.
50. **Parajulee, M. N.** 2016. Manejo integrado de trips en algodón (Integrated management of thrips in cotton). Seminario Internacional Insectos Perjudiciales en el Algodonero, Corporación Colombiana de Investigación Agropecuaria, June 16, Ibagué, Colombia.
51. **Parajulee, M. N.** 2016. Enfoque integrado para el manejo de lepidópteros en el cultivo del algodónero (Integrated management of lepidoteran cotton pests). Seminario Internacional Insectos Perjudiciales en el Algodonero, Corporación Colombiana de Investigación Agropecuaria, June 16, Ibagué, Colombia.
52. **Parajulee, M. N.** 2016. Cotton IPM in the Texas High Plains: Host-plant mediated management system. International Congress of Entomology, September 25-30, Orlando, FL.

53. Hussain, T., S. C. Carroll, and **M. N. Parajulee**. 2016. Pheromone trapping of *Helicoverpa* moth species in Texas: Investigation of possible Old World bollworm detection. International Congress of Entomology, September 25-30, Orlando, FL.
54. Hakeem, A., and **M. N. Parajulee**. 2016. Ecological methods of insect pest management in Texas High Plains cotton. International Congress of Entomology, September 25-30, Orlando, FL.
55. **Parajulee, M. N.**, A. Hakeem, A., and S. Coyle. 2016. Value of lady beetles in sugarcane aphid management on Texas High Plains sorghum. Int. Congress of Entomology, Sept. 25-30, Orlando, FL.
56. Bowling, R., M. Brewer, and **M. N. Parajulee**. 2016. Integrated regional thrips management in southwestern United States cotton. International Congress of Entomology, Sept. 25-30, Orlando, FL.
57. Chen, F., **M. N. Parajulee**, S. Jiang, and G. Wan. 2016. EPG investigation of feeding behavioral response of cotton aphid, *Aphis gossypii* (Glover), to elevated CO₂. International Congress of Entomology, September 25-30, Orlando, FL.
58. **Parajulee, M. N.** 2017. History, livelihood, science, and technology: A tale of ecologically intensive pest management in Texas cotton. NeSA 9th International Conference (Chief Guest Speaker), April 1, Las Cruces, NM.
59. Backus, E. A., F. Cervantes, A. Hakeem, F. Chen, and **M. N. Parajulee**. 2017. Electropenetrography as a novel tool in plant bug feeding behavior study. First International Conference on Integrated Pest Management (keynote speech), July 21-24, Changsha, China.
60. Backus, E. A., F. Cervantes, A. Hakeem, F. Chen, and **M. N. Parajulee**. 2017. Electropenetrography as a novel tool in plant bug feeding behavior study: History and applications. Nanjing Agricultural University Lecture Series, July 20, Nanjing, China.
61. **Parajulee, M. N.** 2017. Comprehensive management of mirid bugs in Texas High Plains cotton. Nanjing Agricultural University Lecture Series, July 20, Nanjing, China.
62. Saguez, J., T. Wist, **M. Parajulee**, and I. Fréchet. 2018. Monitoring and managing agricultural insects crossing borders. Section Symposium, Joint ESA, Entomological Society of Canada, and Entomological Society of British Columbia, November 11-14, Vancouver, Canada.
63. **Parajulee, M. N.** 2018. Monitoring the Old World bollworm, *Helicoverpa armigera*, in Texas toward developing potential management strategies, Section Symposium, Joint ESA, Entomological Society of Canada, and Entomological Society of British Columbia, November 11-14, Vancouver, Canada.
64. **Parajulee, M. N.** 2018. Entomological research, teaching, and extension: SONE's role in global outreach, Section Symposium, Joint ESA, Entomological Society of Canada, and Entomological Society of British Columbia, November 11-14, Vancouver, Canada.
65. **Parajulee, M. N.** 2019. Cotton integrated pest management in the United States: History, current progress, and lessons learned. Nanjing Agricultural University Lecture Series, June 13, Nanjing, China.
66. **Parajulee, M. N.** 2019. Effect of elevated CO₂ on ecologically intensive arthropod pest management in cotton agroecosystems. XIX International Plant Protection Congress, November 10-14, Hyderabad, Telangana, India.
67. **Parajulee, M. N.** 2020. Agricultural transformation for food security. Second National Knowledge Convention, Non-resident Nepalese Association, 3-5 July (virtual) (symposium organizer & panelist).
68. **Parajulee, M. N.** 2020. Role of Association of Nepalese Agricultural Professionals of Americas on agricultural transformation in Nepal. Second Global Knowledge Convention, Non-resident Nepalese Association, 9-11 October, Kathmandu, Nepal.

National

1. **Parajulee, M. N.** 1993. Biology and predatory potential of *Lyctocoris campestris*. A special seminar given to the "People's Republic of China Team-7: Application of Predatory Insects in Grain Storage Management" at USDA-ARS Laboratory, June 28, Madison, WI.
2. **Parajulee, M. N.** 1994. Biology of *Lyctocoris campestris*, a predator of stored grain insects. USDA-ARS, Stored Product Insects Research and Development Laboratory, May 2, Savannah, GA.
3. **Parajulee, M. N.** 1996. Life history, predatory biology, and population ecology of *Lyctocoris campestris* (Hemiptera: Anthracoridae). Department of Entomology, Oklahoma State University, June 24, Stillwater, OK.
4. **Parajulee, M. N.** 1998. Biological and cultural management of insect pests in cotton agroecosystems. Univ. of Nebraska Northeast Research and Extension Center, December 14, Concord, NE.
5. **Parajulee, M. N.** 1998. Biological and cultural management of insect pests in cotton agroecosystems.

- Department of Entomology, University of Nebraska, December 15, Lincoln, NE.
6. **Parajulee, M. N.** 1999. Biologically intensive pest management in cotton: Strategies for reducing pesticide usage. Department of Entomology, North Dakota State University, May 3, Fargo, ND.
 7. **Parajulee, M. N.** 1999. Bridging the gap between research and clientele: Role of extension in integrated pest management programs. Department of Entomology, North Dakota State University, May 4, Fargo, ND.
 8. **Parajulee, M. N.** 1999. Biological control potential of *Lyctocoris campestris* in stored-product ecosystems. Department of Entomology, University of Minnesota, October 4, St. Paul, MN.
 9. **Parajulee, M. N.** 1999. Development and delivery of IPM in stored-products: Research and extension partnership in the 21st Century. Department of Entomology, University of Minnesota, October 5, St. Paul, MN.
 10. **Parajulee, M. N.** 1999. Biologically intensive pest management in cotton agroecosystems. Texas Agricultural Experiment Station, November 1, Corpus Christi, TX.
 11. **Parajulee, M. N.** 1999. Biologically intensive pest management in cotton agroecosystems. Department of Entomology, Texas A&M University, November 2, College Station, TX.
 12. **Parajulee, M. N.** 2001. Biologically and ecologically intensive pest management in cotton agroecosystems. Texas Agricultural Experiment Station, April 25, Lubbock, TX.
 13. **Parajulee, M. N.** 2001. Biologically and ecologically intensive pest management in cotton agroecosystems. Department of Entomology, Texas A&M University, April 26, College Station, TX.
 14. **Parajulee, M. N.** 2002. Effect of temperatures on boll weevil survival in cotton modules. Cotton Council International Joint Meeting of the Cotton USA and Pakistani Plant Protection Officials, May 22, Lubbock, TX.
 15. **Parajulee, M. N.** 2002. Cotton entomology research program at the Lubbock Center: A new direction for west Texas cotton IPM. Monsanto World Headquarters, June 24-26, St. Louis, MO.
 16. Leser, J. F., and **M. N. Parajulee.** 2005. Early square loss and compensation capacity for Texas High Plains cotton. National COTMAN Working Group, November 16-17, Austin, TX (Discussion panel).
 17. **Parajulee, M. N.** 2005. In-season crop management: Compensation for *Lygus* induced fruit loss in cotton. National COTMAN Working Group, November 16-17, Austin, TX (Discussion panel).
 18. **Parajulee, M. N.** 2006. Sampling *Lygus* bugs in West Texas. USDA-ARS *Lygus* and Stink Bug Symposium and Workshop at the Beltwide Cotton Conference, January 4, San Antonio, TX (Invited Speaker and Panel Discussion Member).
 19. **Parajulee, M. N.** 2006. Cotton IPM research in Texas: Generating ecologically-based IPM information. Fifth National Integrated Pest Management Symposium, April 4-6, St. Louis, MO. (Invited Symposium Organizer and Lead Speaker).
 20. **Parajulee, M. N.** 2006. Sampling basics: Sampling considerations in cotton IPM. Southern Extension and Research Activities Information Exchange Group (SRA-IEG 23) Annual Symposium, October 31, Memphis, TN (Symposium Organizer and Lead Speaker).
 21. **Parajulee, M. N.** 2007. Host plant utilization for plant bug species in the Texas High Plains. Plant Bug Symposium at the Beltwide Cotton Conference, January 10, New Orleans, LA (Invited Speaker).
 22. **Parajulee, M. N.** 2007. Connecting to the world: Should ESA have an International Branch? Entomological Society of America Program Symposium, December 8-13, San Diego, CA (Organized the Program Symposium; Program Enhancement Funds were also awarded).
 23. **Parajulee, M. N.** 2008. Connecting to the world: Should ESA have an International Branch? Entomological Society of America Program Symposium, November 16-19, Reno, NV (Organized the Program Symposium; Program Enhancement Funds were also awarded).
 24. **Parajulee, M. N.** 2009. Compensation capacity of Texas cotton. Precision Cotton and COTMAN Annual Meeting, November 10-12, Austin, TX.
 25. Shrestha, R. B., M. J. D. San Francisco, L. D. Densmore, R. E. Strauss, A. S. Holaday, M. D. Burrow, and **M. N. Parajulee.** 2010. Determining population genetic structure of *Lygus hesperus* from Texas High Plains using microsatellite markers. In Annual Biological Science Symposium, Department of Biological Sciences, TTU, Lubbock, Texas.
 26. Barman, A. K., R. F. Medina, **M. N. Parajulee,** C. G. Sansone. 2010. Use of AFLP markers in understanding host associated difference in cotton fleahoppers in Texas. Entomological Society of America Program Symposium, December 12-16, San Diego, CA.
 27. DeFoliart, G. R., and **M. N. Parajulee.** 2010. Entomophagy in the United States: History, current status, and future prospect. ESA Program Symposium, December 12-16, San Diego, CA.

28. Ellsworth, P. C., A. Fournier, P. B. Goodell, D. L. Kerns, and **M. N. Parajulee**. 2010. The influence of landscape on *Lygus* management: What can growers do about it? Entomological Society of America Section Symposium, December 12-16, San Diego, CA.
29. Ghimire, M. N., and **M. N. Parajulee**. 2010. Nepal Overseas Entomologists: Current status and future course of the network. ESA Member Symposium, December 12-16, San Diego, CA.
30. Murugan, K., and **M. N. Parajulee**. 2010. Use of neem extract and microbial insecticides for sustainable management of cotton bollworm, *Helicoverpa armigera*. ESA Member Symposium, December 12-16, San Diego, CA.
31. **Parajulee, M. N.** 2010. Entomological networking: Role of Nepal Overseas Entomologists in Entomological Society of America. ESA Member Symposium, December 12-16, San Diego, CA.
32. **Parajulee, M. N.**, W. O. McSpadden, R. B. Shrestha, D. L. Kerns, P. C. Ellsworth, P. B. Goodell, Y. Carriere, and S. C. Carroll. 2010. Landscape impacts on *Lygus* management in West Texas. Entomological Society of America Section Symposium, December 12-16, San Diego, CA.
33. Shrestha, R. B., **M. N. Parajulee**, and S. C. Carroll. 2010. Immunological assays in ecological studies: Movement behavior of *Lygus* bugs in cotton. ESA Program Symposium, Dec. 12-16, San Diego, CA.
34. Dever, J. K., **M. N. Parajulee**, D. L. Kerns, and M. D. Arnold. 2011. Development of cultivars and IPM strategies for organic cotton production. Organic Farming Systems Workshop, March 16-18, Washington, DC.
35. Chen, F. J., and **M. N. Parajulee**. 2011. Rice entomology research at Nanjing Agricultural University: Collaborative research between China and Nepal. ESA Member Symposium, Nov. 13-16, Reno, NV.
36. Shrestha, R. B., and **M. N. Parajulee**. 2011. Immunological approach to characterize the intercrop movement behavior of arthropods: Implications in ecological pest management. Entomological Society of America Member Symposium, November 13-16, Reno, NV.
37. **Parajulee, M. N.** 2012. Insecticide termination rule for Texas High Plains cotton. Beltwide COTMAN Annual Meeting and Precision Workshop, Cotton Incorporated, January 3, Orlando, FL.
38. Subedi, B. P., **M. N. Parajulee**, and R. R. Pandey. 2012. *Cordyceps sinensis*, a natural Viagra from the mountains of Nepal. ESA Member Symposium, November 11-14, Knoxville, TN.
39. **Parajulee, M. N.** 2012. Opportunities and challenges for collaborative research between the United States and Nepal. ESA Member Symposium, November 11-14, Knoxville, TN.
40. **Parajulee, M. N.** 2013. Twenty years of Cotton Entomology applied research in Texas: History, livelihood, science and technological changes. Departmental Invited Seminar Series, Department of Entomology, Texas A&M University, September 19, College Station, TX.
41. **Parajulee, M. N.** 2013. SONE: History, significance, and role in fostering inter-societal collaborations. Entomological Society of America Member Symposium, November 10-13, Austin, TX.
42. **Parajulee, M. N.** 2014. Vision for Mid-Florida Research and Education Center into the future. Invited seminar at IFAS, MREC, October 27, Apopka, FL.
43. **Parajulee, M. N.** 2014. Potentiality of collaborative entomological research between developed and developing countries including Nepal. Entomological Society of America Member Symposium, November 16-19, Portland, OR.
44. **Parajulee, M. N.**, and C. T. Allen. 2014. History of cotton IPM in Texas. Entomological Society of America Member Symposium, November 16-19, Portland, OR.
45. Hakeem, A., and **M. N. Parajulee**. 2014. Cotton fleahopper IPM. Entomological Society of America Member Symposium, November 16-19, Portland, OR.
46. **Parajulee, M. N.** 2015. Cotton pest management in the Texas High Plains: Cropping systems approach. ESA Member Symposium, November 15-18, Minneapolis, MN.
47. Hakeem, A., and **M. N. Parajulee**. 2015. Integrated thrips management in cotton. Entomological Society of America Member Symposium, November 15-18, Minneapolis, MN.

Regional/State

1. **Parajulee, M. N.** 2001. Overview of cotton entomology research in Lubbock. Entomology Science Conference, October 29-November 1, College Station, TX.
2. **Parajulee, M. N.** 2002. *Lygus* and other plant bugs - an emerging issue. West Texas Cotton IPM Conference, March 6-7, Lubbock, TX (moderated the session).
3. **Parajulee, M. N.** 2002. Cotton entomology research program at the Lubbock Center. High Plains Association of Crop Consultants Annual Meeting, March 5-6, Lubbock, TX.
4. **Parajulee, M. N.**, M. D. Arnold, S. C. Carroll, A. M. Cranmer, R. B. Shrestha, and P. L. Bommireddy.

2003. *Lygus* abundance on wild hosts: A survey across the Texas High Plains. High Plains Association of Crop Consultants Annual Meeting, March 4-5, Lubbock, TX.
5. Carroll, S. C., **M. N. Parajulee**, R. B. Shrestha, and M. D. Arnold. 2003. Beet armyworm seasonal activity in cotton as affected by pigweed. High Plains Association of Crop Consultants Annual Meeting, March 4-5, Lubbock, TX.
 6. **Parajulee, M. N.** 2003. Cotton arthropod research directions after boll weevil eradication. Field Crop IPM Symposium at the ESA-SW Branch Annual Meeting, February 24-27, Oklahoma City, OK.
 7. **Parajulee, M. N.** 2003. High Plains cotton entomology: Issues and answers. West Texas Agricultural Chemicals Institute Annual Conference, September 16, Lubbock, TX.
 8. **Parajulee, M. N.** and J. F. Leser. 2003. Review of potential area-wide management of *Lygus* bugs in Texas. Tarnished Plant Bug/Stink Bug Area-wide Management Meeting, USDA-ARS, October 21-22, Stoneville, MS.
 9. **Parajulee, M. N.** 2004. Ecological differences in *Lygus* bugs and management challenges for the Texas High Plains. Cotton Symposium at the ESA-Southwestern Branch Annual Meeting, February 22-26, Lubbock, TX (Lead organizer of the symposium).
 10. **Parajulee, M. N.** 2004. Economic evaluation of Bollgard technology for the Texas High Plains. Monsanto Field Day at the Helms Farm, August 3, Halfway, TX.
 11. **Parajulee, M. N.** 2004. Joint research-extension programs in cotton entomology at the Helms Research Validation Farm. TAMU/TAES Administration Area Tour, September 23, Halfway, TX.
 12. **Parajulee, M. N.** and J. F. Leser. 2005. Plant bug issues in the Texas High Plains. High Plains Association of Crop Consultants Annual Meeting, March 1-2, Lubbock, TX.
 13. Leser, J. F. and **M. N. Parajulee**. 2005. What do we know about the pink bollworm problem in the Texas High Plains? High Plains Association of Crop Consultants Meeting, March 2, Lubbock, TX.
 14. Leser, J. F. and **M. N. Parajulee**. 2005. Managing insects in Bt versus non-Bt cotton. High Plains Association of Crop Consultants Annual Meeting, March 2, Lubbock, TX.
 15. **Parajulee, M. N.** and A. K. Barman. 2006. Cotton compensation of *Lygus* induced fruit loss: Are we too aggressive in plant bug management? Plant Bug Symposium at the ESA-Southwestern Branch Annual Meeting, February 28-March 2, Austin, TX (Lead organizer of the symposium).
 16. **Parajulee, M. N.**, C. P. Suh, and A. E. Knutson. 2006. Current projects and research priorities in plant bug management. Plant Bug Symposium at the ESA-Southwestern Branch Annual Meeting, February 28-March 2, Austin, TX (Lead organizer of the symposium).
 17. **Parajulee, M. N.** 2006. Compensation of *Lygus* induced fruit loss in cotton. High Plains Association of Crop Consultants Annual Meeting, March 7, Lubbock, TX (Program Committee).
 18. **Parajulee, M. N.** 2007. How much early fruit loss can cotton tolerate? High Plains Association of Crop Consultants Annual Meeting, March 6, Lubbock, TX (Program Committee).
 19. **Parajulee, M. N.** 2007. Sampling basics: Sampling considerations in arthropod management. TAMU Statewide Extension Entomology Retreat, March 27-29, New Braunfels, TX.
 20. **Parajulee, M. N.** 2008. Cotton response to cotton fleahopper induced fruit loss. Southwest Cotton Technology Conference, February 6-7, San Antonio, TX.
 21. **Parajulee, M. N.** and R. B. Shrestha. 2008. Overview of molecular research programs in Cotton Entomology Laboratory at the Lubbock Center. ESA-Southwestern Branch Annual Meeting, February 23-26, Ft. Worth, TX (Lead organizer of the symposium).
 22. **Parajulee, M. N.** and R. B. Shrestha. 2008. Immunological assays in ecological studies: Movement behavior of *Lygus* bugs in cotton. ESA-Southwestern Branch Annual Meeting, February 23-26, Ft. Worth, TX (Lead organizer of the symposium).
 23. Barman, A. K., R. F. Medina, **M. N. Parajulee**, C. G. Sansone, and C. P. Suh. 2008. Development and use of AFLP markers in understanding host associated differences of cotton fleahoppers in Texas. ESA-Southwestern Branch Annual Meeting, February 23-26, Ft. Worth, TX.
 24. **Parajulee, M. N.** 2008. Compensation to *Lygus*-induced fruit loss in cotton: Effect of plant phenological stage. Entomological Society of America Pacific Branch Annual Meeting, March 28-April 2, Napa, CA (Symposium speaker).
 25. **Parajulee, M. N.** 2008. Cotton Entomology Program in the High Plains: Ecologically intensive IPM approach to manage cotton arthropods. Texas Tech University Departmental Seminar Series, Plant and Soil Science Department, April 21, Lubbock, TX.
 26. **Parajulee, M. N.** 2008. Cotton compensation of insect-induced fruit loss. High Plains Association of Crop Consultants Annual Meeting, March 4-5, Lubbock, TX (Program Committee).

27. Barman, A. K., R. F. Medina, **M. N. Parajulee**, C. G. Sansone, C. Suh. 2009. The role of host plants in population differentiation of cotton fleahopper: IPM considerations. ESA-Southwestern Branch Annual Meeting, February 23-26, Stillwater, OK.
28. **Parajulee, M. N.** 2009. *Lygus* bugs: Their alternate host plants and cotton boll susceptibility. High Plains Association of Crop Consultants Annual Meeting, March 3-4, Lubbock, TX.
29. **Parajulee, M. N.** 2010. Cotton Entomology Research Program in the High Plains: Program overview and potential areas of collaboration. Entomology Science Conference, Nov. 4-7, College Station, TX.
30. **Parajulee, M. N.** 2011. Sucking bugs: Agricultural relevance and status of science from a Texas High Plains viewpoint. Plant Bug Workshop, Texas AgriLife Research and Extension Center, February 21-22, Corpus Christi, TX.
31. **Parajulee, M. N.**, R. B. Shrestha, D. L. Kerns, W. O. McSpadden, and S. C. Carroll. 2011. Managing *Lygus* bugs for Texas High Plains cotton. High Plains Association of Crop Consultants Annual Meeting, March 1-2, Lubbock, TX.
32. **Parajulee, M. N.**, R. B. Shrestha, and T. I. Matis. 2011. Texas High Plains *Lygus* bugs: Investigation of predisposition factors causing outbreaks in order to strengthen cotton pest management strategies. International Cotton Research Center/Center for Economic Research Institute Annual Research and Outreach Symposium, March 29, Lubbock, TX.
33. **Parajulee, M. N.** 2012. Management of *Lygus* in the Texas High Plains. High Plains Association of Crop Consultants Annual Meeting, March 5-6, Lubbock, TX.
34. Shrestha, R. B., and **M. N. Parajulee**. 2012. Cotton insect pest management. Agricultural Agent Training, August 21, Lubbock, Texas.
35. **Parajulee, M. N.** 2013. Early season insects and thrips management in cotton. Monsanto Annual Consultants Meeting, February 6-8, Santa Fe, NM.
36. **Parajulee, M. N.** 2015. Cotton insect pest management in the Texas High Plains. High Plains Association of Crop Consultants Annual Meeting, March 3-4, Lubbock, TX.
37. **Parajulee, M. N.** 2016. Cotton insect management in the Texas High Plains. High Plains Association of Crop Consultants Annual Meeting, March 1-2, Lubbock, TX.
38. **Parajulee, M. N.** 2017. Cotton insect management in the Texas High Plains. High Plains Association of Crop Consultants Annual Meeting, March 7-8, Lubbock, TX.
39. Hakeem, A., J. K. Dever, **M. N. Parajulee**, and D. Q. Wann. 2017. Evaluating varietal resistance to thrips: Progress from the cotton breeding program on the Texas South Plains. Entomological Society of America Southwestern Branch Annual Meeting, March 10-13, Austin, TX.
40. **Parajulee, M. N.** 2018. Leadership in action: Search for opportunities, experiment, and take risks. Texas A&M AgriLife Advanced Leadership Program Workshop, September 24-27, Beaumont, TX.
41. **Parajulee, M. N.** 2019. Cotton integrated pest management in Texas: History, livelihood, science and technology. Texas Tech University Department of Plant and Soil Science Invited Lecture Series, February 21, Lubbock, Texas.
42. **Parajulee, M. N.** 2020. History and technological advancement of cotton integrated pest management in Texas. TAMU Department of Entomology Seminar Series, October 28 (virtual).

Submitted Presentations

International

1. Ge, F., F. Chen, **M. N. Parajulee**, and E. N. Yardim. 2004. Differentiation and overwintering duration of the fourth generation cotton bollworm, *Helicoverpa armigera* (Hübner) in cotton and corn fields in northern China. The 15th International Plant Protection Congress, May 10-16, Beijing, China (Oral).
2. Ge, F., L. Du, **M. N. Parajulee**, and C. A. Edwards. 2004. A quantitative method to evaluate the biological control efficiency of lady beetle, *Propylaea japonica*, on cotton aphid, *Aphis gossypii*. The 15th International Plant Protection Congress, May 10-16, Beijing, China (Oral).
3. **Parajulee, M. N.** and R. B. Shrestha. 2004. Potential of convergent lady beetle, *Hippodamia convergens*, in suppressing cotton aphids, *Aphis gossypii*. The 15th International Plant Protection Congress, May 10-16, Beijing, China (Poster).
4. Shrestha, R. B., **M. N. Parajulee**, W. O. McSpadden, and S. C. Carroll. 2011. Cotton cultivar fruiting pattern and compensatory response to *Lygus*-induced pre-flower fruit loss under low and high irrigation. World Cotton Research Conference, November 7-11, Mumbai, India.
5. Shrestha, R. B., S. C. Carroll, W. O. McSpadden, and **M. N. Parajulee**. 2012. IPM options for *Lygus*

- bug management in Texas High Plains cotton. Seventh International IPM Symposium, March 27-29, Memphis, TN (poster).
6. Wann, D. Q., J. K. Dever, **M. N. Parajulee**, M. D. Arnold, and H. D. Flippin. 2012. Cultivars and IPM systems for organic cotton production: Distribution of thrips resistance in multiple generations of cotton. ASA, CSSA, SSSA International Meetings, October 21-24, Cincinnati, OH (poster).
 7. **Parajulee, M. N.**, R. B. Shrestha, and S. C. Carroll. 2012. Cotton plant response to selected *Lygus* infestation levels in the Texas High Plains. Third International *Lygus* Symposium, October 28-November 1, 2012, Scottsdale, AZ (Oral).
 8. Shrestha, R. B., **M. N. Parajulee**, and S. C. Carroll. 2012. Development of *Lygus* management strategies for Texas cotton. Third International *Lygus* Symposium, October 28-November 1, 2012, Scottsdale, AZ (Oral).
 9. Shrestha, R. B., S. C. Carroll, W. O. McSpadden, and **M. N. Parajulee**. 2012. Overview of *Lygus* research and outreach program in the Texas High Plains: Serving the clientele of the world's largest cotton patch. Third International *Lygus* Symposium, October 28-November 1, 2012, Scottsdale, AZ (Poster).
 10. Wann, D. Q., J. K. Dever, R. J. Wright, **M. N. Parajulee**, M. D. Arnold, and H. D. Flippin. 2013. Cultivars and IPM systems for organic cotton production: Field mapping populations for thrips resistance. ASA, CSSA, SSSA International Meetings, November 3-6, Tampa, FL (poster).
 11. Hakeem, A., and **M. N. Parajulee**. 2014. Thrips management on cotton in the Texas High Plains. Joint Annual Meeting of the Entomological Societies of Canada and Saskatchewan, September 28-October 1, Saskatoon, Saskatchewan, Canada.
 12. Hakeem, A., and **M. N. Parajulee**. 2015. Thrips management in Texas High Plains cotton. 8th International IPM Symposium, March 23-26, Salt Lake City, UT.
 13. **Parajulee, M. N.** 2015. Integrated *Lygus* management in Texas High Plains cotton. 8th International IPM Symposium, March 23-26, Salt Lake City, UT.
 14. **Parajulee, M. N.**, and A. Hakeem. 2017. Comprehensive management of *Lygus* bugs in Texas High Plains cotton. International Heteroptera Symposium and Workshop, April 18-20, Seaside, CA.
 15. Hakeem, A., and **M. N. Parajulee**. 2017. Management of plant bugs in Texas High Plains cotton. International Heteroptera Symposium and Workshop, April 18-20, Seaside, CA.
 16. Dhakal, C. K., A. Hakeem, and **Parajulee, M. N.** 2018. Economics of *Lygus hesperus* management in Texas High Plains cotton. 9th International IPM Symposium, March 19-22, Baltimore, MD.
 17. Hakeem, A., and **M. N. Parajulee**. 2018. Management of thrips in Texas: An integrated approach. Entomological Society of America International Branch Virtual Symposium, April 16-18.
 18. Kalauni, D., S. L. Joshi, A. Joshi, and **M. N. Parajulee**. 2018. Pesticide use and its residue status in food crops in Nepal: A review. Association of Nepalese Agricultural Professionals of Americas Biennial Conference, May 26-28, Oklahoma City, OK.
 19. Devkota, D., N. R. Devkota, and **M. N. Parajulee**. 2018. Gender roles and women's enterprise promotion needs in Nepal. Association of Nepalese Agricultural Professionals of Americas Biennial Conference, May 26-28, Oklahoma City, OK.
 20. **Parajulee, M. N.**, and A. Hakeem. 2018. Integrated management of *Lygus* bugs in Texas High Plains cotton. Association of Nepalese Agricultural Professionals of Americas Biennial Conference, May 26-28, Oklahoma City, OK.
 21. Parajulee, D., K. Devkota, D. Devkota, and **M. N. Parajulee**. 2018. Sweet orange production in central Nepal: An economic analysis. Association of Nepalese Agricultural Professionals of Americas Biennial Conference, May 26-28, Oklahoma City, OK.
 22. **Parajulee, M. N.** 2018. *Lygus* research and outreach program in Texas: An integrated approach to addressing an emerging pest problem. Association of Nepalese Agricultural Professionals of Americas Biennial Conference, May 26-28, Oklahoma City, OK.
 23. Rasali, D. P., P. B. Bhandari, **M. N. Parajulee**, R. Adhikari, R. Acharya, U. Karki, S. Johnson, and L. B. Karki. 2018. Food sustainability, food sufficiency, food safety, and healthy food in Nepal: Principles and practices of food security. Association of Nepalese Agricultural Professionals of Americas Biennial Conference, May 26-28, Oklahoma City, OK.
 24. Jaishi, M., and **M. N. Parajulee**. 2020. Roadmap for agriculture education under the new federal system of Nepal. Second International Conference on Global Food Security, Association of Nepalese Agricultural Professionals of Americas, September 25-28 (virtual).
 25. Hakeem, A., **M. N. Parajulee**, J. Grant, P. Lambdin, F. Hale, and G. Wiggins. 2020. Similarities of

tools used in evaluating biological control agents of forest pests in eastern forests versus cotton pests in western cotton fields. Second International Conference on Global Food Security, Association of Nepalese Agricultural Professionals of Americas, September 25-28 (virtual).

26. Dhungel, J. K., S. P. Bhattarai, and **M. N. Parajulee**. 2020. Effect of oxygation on crops with varying rooting systems: Crop growth, yield, and quality. Second International Conference on Global Food Security, Association of Nepalese Agricultural Professionals of Americas, September 25-28 (virtual).
27. Dhakal, D. P., and **M. N. Parajulee**. 2020. Status of large cardamom cultivation in Nepal. Second International Conference on Global Food Security, Association of Nepalese Agricultural Professionals of Americas, September 25-28 (virtual).
28. Dhakal, C. K., S. Edewor, and **M. N. Parajulee**. 2020. Nitrogen optimization in cotton production with Bayesian hierarchical approach. Second International Conference on Global Food Security, Association of Nepalese Agricultural Professionals of Americas, September 25-28 (virtual).

National

1. **Parajulee, M. N.** and G. R. DeFoliart. 1991. A fecundity model for use in mass-production of the house cricket (*Acheta domesticus*) as food and feed. Biology Graduate Student Conference, March 15, University of Wisconsin-Madison, WI (Oral).
2. **Parajulee, M. N.**, G. R. DeFoliart, and D. B. Hogg. 1991. A fecundity model for use in mass-production of the house cricket as food or feed. Annual meeting of the Entomological Society of America, December 6-11, Reno, NV (Oral).
3. Phillips, T. W. and **M. N. Parajulee**. 1991. Volatiles of stored-product Anthocorids: *X. flavipes* and *L. campestris*. Annual meeting of the Entomological Society of America, December 6-11, Reno, NV (Oral).
4. **Parajulee, M. N.** and T. W. Phillips. 1992. General biology of *Lyctocoris campestris*, a predator in stored-product ecosystem. Entomological Society of America North-Central Branch Meeting, March 15-18, Kansas City, MO (Oral).
5. **Parajulee, M. N.** and T. W. Phillips. 1992. Laboratory study of the functional response of *Lyctocoris campestris*, a predator of stored-product insects. Annual meeting of the Entomological Society of America, December 5-10, Baltimore, MD (Oral).
6. **Parajulee, M. N.** and T.W. Phillips. 1993. Prey utilization by *Lyctocoris campestris* (Heteroptera: Anthocoridae). Entomological Society of America North-Central Branch Meeting, March 21-24, Fargo, ND (Oral).
7. **Parajulee, M. N.** and T. W. Phillips. 1993. Response variation of predatory pirate bugs to prey insects in stored grain ecosystems. Annual meeting of the Ecological Society of America, July 31-August 4, Madison, WI (Oral).
8. **Parajulee, M. N.** and T. W. Phillips. 1993. Seasonal abundance of the predator *Lyctocoris campestris* (Heteroptera: Anthocoridae) in stored corn in Wisconsin. Annual meeting of the Entomological Society of America, December 12-16, Indianapolis, IN (Oral).
9. Phillips, T. W., **M. N. Parajulee**, J. E. Throne, and E. V. Nordheim. 1994. Effects of constant temperatures and relative humidities on life history of *Lyctocoris campestris*. Annual meeting of the Entomological Society of America, December 13-17, Dallas, TX (Poster).
10. **Parajulee, M. N.**, L. T. Wilson, D. R. Rummel, S. C. Carroll, and P. J. Trichilo. 1994. Relationship between ambient air temperature and leaf litter temperature in boll weevil overwintering habitats in the Texas Rolling Plains. Annual meeting of the Entomological Society of America, December 13-17, Dallas, TX (Oral).
11. **Parajulee, M. N.**, L. T. Wilson, D. R. Rummel, S. C. Carroll, and P. J. Trichilo. 1995. Insulating values of boll weevil overwintering habitats: Implications of using habitat versus ambient temperatures in developing meteorological data-based predictive models. Beltwide Cotton Conference, January 4-7, San Antonio, TX (Oral).
12. **Parajulee, M. N.**, L. T. Wilson, D. R. Rummel, S. C. Carroll, P. J. Trichilo, and S. Bozkurt. 1995. Improving our understanding of boll weevil overwintering biology. Annual meeting of the Entomological Society of America, December 17-21, Las Vegas, NV (Oral).
13. **Parajulee, M. N.**, L. T. Wilson, S. Bozkurt, D. R. Rummel, S. C. Carroll, and P. J. Trichilo. 1996. Predicting boll weevil overwintering survival and spring emergence in the Rolling Plains of Texas. Beltwide Cotton Conference, January 8-12, Nashville, TN (Oral).
14. **Parajulee, M. N.** and J. E. Slosser. 1997. Potential relay strip crops for predator enhancement in

- cotton. Beltwide Cotton Conference, January 6-10, New Orleans, LA (Oral).
15. **Parajulee, M. N.**, L. T. Wilson, D. R. Rummel, S. C. Carroll, P. J. Trichilo, J. E. Slosser, and T. W. Fuchs. 1997. Insulating abilities of six boll weevil overwintering habitats from the Rolling Plains of Texas. Beltwide Cotton Conference, January 6-10, New Orleans, LA (Oral).
 16. **Parajulee, M. N.** and J. E. Slosser. 1997. Predator enhancement in cotton: Use of relay strip crops. Entomological Society of America Southwestern Branch Meeting, February 17-20, Oklahoma City, OK (Oral).
 17. **Parajulee, M. N.** and J. E. Slosser. 1998. Evaluation of potential relay strip crops for predator enhancement in cotton. Beltwide Cotton Conferences, January 5-10, San Diego, CA (Oral).
 18. **Parajulee, M. N.** and J. E. Slosser. 1998. Pesticide-free cotton production system: Is it feasible? Entomological Society of America Southwestern Branch Meeting, February 9-12, Corpus Christi, TX (Oral).
 19. **Parajulee, M. N.**, J. E. Slosser, and D. G. Bordovsky. 1999. Cultural practices affecting the abundance of cotton aphids and beet armyworms in dryland cotton. Beltwide Cotton Conferences, January 3-7, Orlando, FL (Oral).
 20. Boring, E. P., **M. N. Parajulee**, and J. E. Slosser. 1999. Bollworm and budworm moth activity in the Texas Rolling Plains. Beltwide Cotton Conferences, January 3-7, Orlando, FL (Poster).
 21. Slosser, J. E., **M. N. Parajulee**, D. R. Rummel, and D. L. Hendrix. 1999. Influence of irrigation and chemical treatments on cotton aphid infestations. Entomological Society of America Southwestern Branch Meeting, February 22-26, Las Cruces, NM (Oral).
 22. **Parajulee, M. N.**, J. E. Slosser, and D. G. Bordovsky. 1999. Influence of skip-row planting pattern on insect pest abundance and damage in dryland cotton. Entomological Society of America Southwestern Branch Meeting, February 22-26, Las Cruces, NM (Oral).
 23. **Parajulee, M. N.** and J. E. Slosser. 2000. Influence of boll weevil eradication on moth activity in the Texas Rolling Plains. Beltwide Cotton Conferences, January 4-8, San Antonio, TX (Oral).
 24. Slosser, J. E., **M. N. Parajulee**, D. R. Rummel, and D. L. Hendrix. 2000. Management of cotton lint stickiness in Texas cotton. Beltwide Cotton Conferences, January 4-8, San Antonio, TX (Oral).
 25. **Parajulee, M. N.**, J. E. Slosser, and D. G. Bordovsky. 2000. Skip-row planting pattern and insect pest management in dryland cotton. Entomological Society of America Southwestern Branch Meeting, February 9-11, Ft. Worth, TX (Oral).
 26. Slosser, J. E. and **M. N. Parajulee**. 2000. Evaluation of food sprays and relay strip crops for enhancing biological control of bollworms and cotton aphids in cotton. Entomological Society of America Southwestern Branch Meeting, February 9-11, Ft. Worth, TX (Oral).
 27. Slosser, J. E. and **M. N. Parajulee**. 2001. Factors contributing to late season cotton aphid infestations. Beltwide Cotton Conferences, January 9-13, Anaheim, CA (Oral).
 28. **Parajulee, M. N.** and J. E. Slosser. 2001. Cotton aphid biology as affected by cyhalothrin (Karate): Aphid or host plant modification? Beltwide Cotton Conferences, January 9-13, Anaheim, CA (Oral).
 29. **Parajulee, M. N.**, J. E. Slosser, and L. T. Wilson. 2001. Cotton aphid population dynamics modeling: A distributed-delay approach. Annual meeting of Entomological Society of America, December 9-12, San Diego, CA (Oral).
 30. **Parajulee, M. N.**, J. E. Slosser, and D. G. Bordovsky. 2002. Planting patterns affecting the abundance of cotton aphids and whiteflies in dryland cotton. Beltwide Cotton Conferences, January 8-12, Atlanta, GA (Oral).
 31. Slosser, J. E., **M. N. Parajulee**, D. L. Hendrix, T. J. Henneberry, and D. G. Bordovsky. 2002. Relationship between numbers of cotton aphids per leaf and sticky lint. Beltwide Cotton Conferences, January 8-12, Atlanta, GA (Oral).
 32. Hendrix, D. L., T. J. Henneberry, J. E. Slosser, and **M. N. Parajulee**. 2002. Bandedwinged whitefly honeydew: Another possible source of cotton stickiness. Beltwide Cotton Conferences, January 8-12, Atlanta, GA (oral).
 33. Sappington, T. W., A. D. Brashears, S. C. Carroll, M. D. Arnold, **M. N. Parajulee**, J. W. Norman, Jr., and A. E. Knutson. 2002. Potential for boll weevil transport to gins on modules. Beltwide Cotton Conferences, January 8-12, Atlanta, GA (Oral).
 34. Brashears, A. D., R. V. Baker, T. W. Sappington, S. C. Carroll, M. D. Arnold, **M. N. Parajulee**. 2002. Boll weevil survival in baled lint. Beltwide Cotton Conferences, Jan. 8-12, Atlanta, GA (Oral).
 35. **Parajulee, M. N.**, M. D. Arnold, and S. C. Carroll. 2002. Predator-prey dynamics in late season cotton in the Texas High Plains. Entomological Society of America Southwestern Branch Annual

- Meeting, February 24-27, Guanajuato, Mexico (Poster).
36. Carroll, S. C., D. R. Rummel, C. Britton, R. Mitchell, M. D. Arnold, **M. N. Parajulee**, B. Racher, and R. K. Haldenby. 2002. Burning CRP grasses to reduce boll weevil overwintering potential. Entomological Society of America Southwestern Branch Annual Meeting, February 24-27, Guanajuato, Mexico (Poster).
 37. Arnold, M. D., D. R. Rummel, J. W. Smith, Jr., S. C. Carroll, and **M. N. Parajulee**. 2002. Natural mortality of *Helicoverpa zea* in Texas High Plains cotton. Entomological Society of America Southwestern Branch Annual Meeting, February 24-27, Guanajuato, Mexico (Poster).
 38. **Parajulee, M. N.**, M. D. Arnold, S. C. Carroll, A. M. Cranmer, P. L. Bommireddy, and R. B. Shrestha. 2002. Host plant sequence of *Lygus* bugs in Texas cotton. Annual meeting of the Entomological Society of America, November 17-20, Ft. Lauderdale, FL (Poster).
 39. Shrestha, R. B., **M. N. Parajulee**, M. D. Arnold, S. C. Carroll, A. M. Cranmer. 2002. Cotton insect predators in conventional and conservation tillage systems. Annual Meeting of the Entomological Society of America, November 17-20, Ft. Lauderdale, FL (Poster).
 40. Bommireddy, P. L., **M. N. Parajulee**, D. O. Porter. 2002. Influence of irrigation methods on *Lygus* population abundance. Annual meeting of the Entomological Society of America, November 17-20, Ft. Lauderdale, FL (Poster).
 41. Cranmer, A. M., **M. N. Parajulee**, J. F. Leser, P. L. Bommireddy, M. D. Arnold, and R. B. Shrestha. 2002. Cotton cultivars and planting date window: Do *Lygus* bugs care? Annual meeting of the Entomological Society of America, November 17-20, Ft. Lauderdale, FL (Poster).
 42. Zhao, B., T. W. Phillips, and **M. N. Parajulee**. 2002. Species-specific PCR-based identification of eggs and larvae of *Helicoverpa zea* and *Heliothis virescens*. Annual meeting of the Entomological Society of America, November 17-20, Ft. Lauderdale, FL (Oral).
 43. Cranmer, A. M., **M. N. Parajulee**, J. F. Leser, P. L. Bommireddy, R. B. Shrestha, S. C. Carroll, and M. D. Arnold. 2003. Influence of cotton cultivar and planting date on fleahopper and *Lygus* populations in Texas High Plains. Beltwide Cotton Conference, January 6-10, Nashville, TN (Oral presentation for student paper competition).
 44. Bommireddy, P. L., **M. N. Parajulee**, D. O. Porter, R. B. Shrestha, A. M. Cranmer, M. D. Arnold, and S. C. Carroll. 2003. Effect of irrigation regimes on insect populations in Texas High Plains cotton. Beltwide Cotton Conference, January 6-10, Nashville, TN (Oral paper for student competition).
 45. Shrestha, R. B., **M. N. Parajulee**, A. M. Cranmer, P. L. Bommireddy, S. C. Carroll, and M. D. Arnold. 2003. Seasonal abundance patterns of thrips and fleahoppers in Texas High Plains cotton. Beltwide Cotton Conference, January 6-10, Nashville, TN (Oral paper for student competition).
 46. **Parajulee, M. N.**, M. D. Arnold, S. C. Carroll, A. M. Cranmer, R. B. Shrestha, and P. L. Bommireddy. 2003. *Lygus* abundance on wild hosts: A survey across the Texas High Plains. Beltwide Cotton Conference, January 6-10, Nashville, TN (Oral).
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133. **Parajulee, M. N.**, Y. Yang, L. T. Wilson, and D. Neupane. 2011. Effect of cotton fleahopper density on pre-flower fruit loss and plant biomass in cotton. Beltwide Cotton Conferences, January 4-7, Atlanta, GA.
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139. Brewer, M. J., **M. N. Parajulee**, D. J. Anderson, and R. B. Shrestha. 2012. Cotton fleahopper and its damage to cotton as affected by plant water stress and insect seasonality. Beltwide Cotton Conferences, January 3-6, Orlando, FL.
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147. Brewer, M. J., D. J. Anderson, **M. N. Parajulee**, and R. B. Shrestha. 2013. Plant water stress and insect seasonality effects on cotton fleahopper damage. Beltwide Cotton Conferences, January 7-10, San Antonio, TX.
148. Carroll, S. C., R. B. Shrestha, and **M. N. Parajulee**. 2013. Effect of nitrogen fertilizer on cotton host-plant quality and its impact on arthropod community. Beltwide Cotton Conferences, January 7-10, San Antonio, TX.
149. **Parajulee, M. N.**, R. B. Shrestha, M. R. Vandiver, D. Q. Wann, J. K. Dever, and M. D. Arnold. 2013. Evaluation of organic pesticides for western flower thrips management in seedling cotton: Effect on plant parameters. Beltwide Cotton Conferences, January 7-10, San Antonio, TX.
150. Carroll, S. C. and M. N. Parajulee. 2013. Long-term survey of bollworm moth flight activity and pyrethroid resistance monitoring in the Texas High Plains. Entomological Society of America annual

- meeting, November 10-13, Austin, TX.
151. Parajulee, M. N. and A. Hakeem. 2013. Varietal response to thrips injury in Texas cotton. Entomological Society of America annual meeting, November 10-13, Austin, TX.
 152. Shrestha, R. B. and M. N. Parajulee. 2013. Cotton plant growth and yield response to various levels of *Lygus* infestations. Entomological Society of America annual meeting, November 10-13, Austin, TX.
 153. Vandiver, M., M. N. Parajulee, D. Wann, R. B. Shrestha, J. Dever, M. Arnold, A. K. Barman. 2013. Potential of Entrust® SC insecticide on western flower thrips management in organic cotton. Entomological Society of America annual meeting, November 10-13, Austin, TX.
 154. Wann, D. Q., J. Dever, **M. Parajulee**, M. D. Arnold, and H. D. Flippin. 2014. Field performance and heritability of thrips resistance for cotton variety development. Beltwide Cotton Conferences, January 6-8, New Orleans, LA.
 155. Deans, C., G. Sword, S. Behmer, and **M. Parajulee**. 2014. Macronutrient preference and effect on performance in *Lygus hesperus* (Heteroptera: Miridae). Beltwide Cotton Conferences, January 6-8, New Orleans, LA.
 156. Hakeem, A., and **M. Parajulee**. 2014. Influence of wooly croton soaking on cotton fleahopper emergence from overwintered eggs. Beltwide Cotton Conferences, January 6-8, New Orleans, LA.
 157. Vandiver, M., D. Wann, A. K. Barman, J. K. Dever, **M. Parajulee**, and M. D. Arnold. 2014. Managing thrips organically using host-plant resistance and Entrust insecticide. Beltwide Cotton Conferences, January 6-8, New Orleans, LA.
 158. Brewer, M., D. Anderson, and **M. Parajulee**. 2014. Cotton fleahopper damage on water-stressed cotton. Beltwide Cotton Conferences, January 6-8, New Orleans, LA.
 159. Hakeem, A., and **M. Parajulee**. 2014. Variation in cotton varietal response to western flower thrips injury. Beltwide Cotton Conferences, January 6-8, New Orleans, LA.
 160. **Parajulee, M.**, S. Carroll, and A. Hakeem. 2014. Influence of nitrogen fertilizer on cotton host-plant quality and its impact on cotton aphids. Beltwide Cotton Conferences, January 6-8, New Orleans, LA.
 161. Harrell, L., A. Barman, **M. N. Parajulee**, G. Sword, and G. Morgan. 2014. Efficacy of neonicotinoid seed treatments on thrips in cotton. Entomological Society of America annual meeting, November 16-19, Portland, OR.
 162. Ganapathy, S., **M. N. Parajulee**, H. Zhang, and S. L. Bilimoria. 2014. Transient expression of a viral insecticide in plants. World Forum of Society of In Vitro Biology, May 31-June 4, Savannah, GA.
 163. Ganapathy, S., **M. N. Parajulee**, H. Zhang, and S. L. Bilimoria. 2014. Transient expression of a viral insecticide in plants. American Society of Plant Biologists, June 12-16, Portland, OR.
 164. Harrell, K., A. Barman, **M. Parajulee**, G. Sword, and G. Morgan. 2015. Efficacy of neonicotinoid seed treatments on thrips in cotton. Beltwide Cotton Conferences, January 5-7, San Antonio, TX.
 165. Ganapathy, S., **M. N. Parajulee**, H. Zhang, M. San Francisco, and S. L. Bilimoria. 2015. Use of a modified viral gene to confer resistance against aphids in transgenic plants. Beltwide Cotton Conferences, January 5-7, San Antonio, TX (Gary Herzog Ph.D. Student Recognition Award).
 166. Musser, F. R., J. Greene, D. A. Herbert, M. M. Jones, D. Kerns, G. Lorenz, **M. N. Parajulee**, D. Reising, P. Roberts, and S. Stewart. 2015. Update on bollworm pyrethroid resistance monitoring. Beltwide Cotton Conferences, January 5-7, San Antonio, TX.
 167. **Parajulee, M. N.**, A. Hakeem, and S. C. Carroll. 2015. Late season *Lygus* bug management in Texas cotton. Beltwide Cotton Conferences, January 5-7, San Antonio, TX.
 168. Wann, D. Q., J. K. Dever, **M. N. Parajulee**, and M. D. Arnold. 2015. Breeding value of host plant thrips resistance for new cultivar development. Beltwide Cotton Conferences, January 5-7, San Antonio, TX.
 169. Hakeem, A., and **M. N. Parajulee**. 2015. Utilization of No-Thrips cages to quantify thrips-induced losses to cotton in the Texas High Plains. Beltwide Cotton Conferences, January 5-7, San Antonio, TX.
 170. Dhakal, C. K., K. Y. Lange, **M. N. Parajulee**, and E. Segarra. 2016. Effect of soil nitrogen rates on residual soil N, plant growth parameters, yield, and quality: An economic analysis. Beltwide Cotton Conferences, January 5-6, New Orleans, LA.
 171. Brewer, M., D. Anderson, and **M. N. Parajulee**. 2016. Are cotton water stress, age, and cultivars moderating factors of cotton fleahopper abundance and associated yield loss? Beltwide Cotton Conferences, January 5-6, New Orleans, LA.
 172. **Parajulee, M. N.**, A. Hakeem, and S. C. Carroll. 2016. Influence of nitrogen fertilizer on cotton host-plant quality and its impact on cotton aphids. Beltwide Cotton Conf., Jan. 5-6, New Orleans, LA.

173. Hakeem, A., **M. N. Parajulee**, S. D. Coyle, and S. C. Carroll. 2016. Modified field-cage study to estimate *Lygus* treatment thresholds in Texas cotton. Beltwide Cotton Conferences, Jan. 5-6, New Orleans, LA.
174. Coyle, S. D., A. Hakeem, **M. N. Parajulee**, and S. C. Carroll. 2016. Effect of water levels on fleahopper-induced fruit losses in cotton. Beltwide Cotton Conferences, Jan. 5-6, New Orleans, LA.
175. Musser, F., G. Lorenz, D. Kerns, M. N. Parajulee, S. D. Stewart, M. Jones, P. M. Roberts, J. K. Greene, D. Reisig, and A. Herbert. 2017. Monitoring bollworms for pyrethroid resistance, 2007-2016. Beltwide Cotton Conferences, January 4-6, Dallas, TX.
176. Hakeem, A., M. N. Parajulee, and K. Lewis. 2017. Management of plant bugs under water-deficit cotton production systems in the Texas High Plains. Beltwide Cotton Conf., January 4-6, Dallas, TX.
177. Hussain, T., K. Zia, M. N. Parajulee, M. J. Arif, and A. Hakeem. 2017. Management of resurging arthropod pests on Bt cotton in Pakistan. Beltwide Cotton Conferences, January 4-6, Dallas, TX.
178. Parajulee, M. N., and A. Hakeem. 2017. Impact of nitrogen fertility on cotton response to cotton fleahopper-induced injury. Beltwide Cotton Conferences, January 4-6, Dallas, TX.
179. Carroll, S. C., M. N. Parajulee, and T. Hussain. 2017. *Helicoverpa zea* and *Helicoverpa armigera* pheromone lures: Male moth response to 'Texas traps' and 'Green Bucket' traps. Beltwide Cotton Conferences, January 4-6, Dallas, TX.
180. Hakeem, A., M. Parajulee, S. Vyavhare, M. Ismail, and R. Bowling. 2017. Evaluating seed treatments and foliar insecticides against western flower thrips on cotton in Texas. Entomological Society of America annual meeting, November 5-8, Denver, CO.
181. Ismail, M., A. Hakeem, K. Lewis, and M. Parajulee. 2017. Diversity of ground beetles associated with Texas cotton. Entomological Society of America annual meeting, November 5-8, Denver, CO.
182. Vyavhare, S., B. Reed, A. Kesheimer, M. Parajulee, R. Bowling, and A. Hakeem. 2017. Control of thrips with selected insecticidal treatments in Texas cotton. ESA annual meeting, November 5-8, Denver, CO.
183. Parajulee, M., A. Hakeem, W. Keeling, and S. Carroll. 2017. Impact of irrigation water level on cotton fleahopper management in the Texas High Plains. Entomological Society of America annual meeting, November 5-8, Denver, CO.
184. Hakeem, A., S. Zukoff, G. Ritchie, J. R. Nechols, J. R. Ruberson, J. Krauska, and M. Parajulee. 2017. Impact of thrips and two-spotted spider mites on Texas cotton. Entomological Society of America annual meeting, November 5-8, Denver, CO.
185. Hakeem, A., J. Jordan, **M. N. Parajulee**, E. Backus, and F. A. Cervantes. 2018. Effect of carbon nanotubes on feeding behavior of *Lygus hesperus* (Hemiptera: Miridae) in Cotton: An electropenetrographic evaluation. Beltwide Cotton Conferences, January 3-5, San Antonio, TX.
186. **Parajulee, M. N.**, A. Hakeem, and K. Lewis. 2018. Impact of *Lygus* bugs and cotton fleahoppers on cotton yield under drought conditions. Beltwide Cotton Conferences, January 3-5, San Antonio, TX.
187. Hakeem, A., **M. N. Parajulee**, M. Ismail, and K. Lewis. 2018. Influence of cover crops on diversity and abundance of ground beetles in Texas cotton. Beltwide Cotton Conf., Jan. 3-5, San Antonio, TX.
188. Vyavhare, S., B. Reed, A. Kesheimer, **M. N. Parajulee**, R. Bowling, and A. Hakeem. 2018. Control of thrips with selected insecticidal seed treatments in Texas cotton. Beltwide Cotton Conferences, January 3-5, San Antonio, TX.
189. Hakeem, A., **M. Parajulee**, and J. Dever. 2019. Characterization of cotton crop response to western flower thrips injury and its management in Texas High Plains cotton. Beltwide Cotton Conferences, January 8-10, New Orleans, LA.
190. Hakeem, A., **M. Parajulee**, K. Lewis, and S. Vyavhare. 2019. Early-season insect management in dryland cotton in the Texas High Plains. Beltwide Cotton Conferences, Jan. 8-10, New Orleans, LA.
191. **Parajulee, M. N.**, S. C. Carroll, and A. Hakeem. 2019. Evaluation of pheromone lures and trap types for monitoring *Helicoverpa armigera* in Texas. Beltwide Cotton Conf., Jan. 8-10, New Orleans, LA.
192. Hakeem, A., and **M. N. Parajulee**. 2019. Biological control of sugarcane aphids, *Melanaphis sacchari* (Homoptera: Aphididae) on sorghum in the Texas High Plains. Entomological Society of America International Branch Virtual Symposium, April 8-10.
193. Randell, A. K., M. D. Toews, K. Lewis, S. Vyavhare, A. Hakeem, D. M. McCallister, and **M. N. Parajulee**. 2019. Refining pest management thresholds for water-deficit cotton production. Entomological Society of America annual meeting, November 17-20, St. Louis, MO.
194. **Parajulee, M. N.**, A. Hakeem, and R. B. Shrestha. 2019. Late season *Lygus* management in Texas cotton. Entomological Society of America annual meeting, November 17-20, St. Louis, MO.

195. Dhakal, D., Z. NanGong, A. Hakeem, and **M. N. Parajulee**. 2019. Impact of cover crop and crop rotation on ground beetle diversity in the Texas High Plains. Entomological Society of America annual meeting, November 17-20, St. Louis, MO.
196. Hakeem, A., **M. N. Parajulee**, D. Dhakal, M. Toews, S. Vyavhare, D. McCallister, and K. Lewis. 2019. Cotton response to selected insect pest injuries as affected by irrigation level. Entomological Society of America annual meeting, November 17-20, St. Louis, MO.
197. Griffin, D. A. Randell, M. Toews, H. Abdul, D. McCallister, K. Lewis, S. Vyavhare, and **M. Parajulee**. 2020. Refining pest management thresholds for water-deficit cotton production. Beltwide Cotton Conferences, January 8-10, Austin, TX.
198. Dhakal, D. P., A. Hakeem, M. N. Parajulee, and K. L. Lewis. 2020. Impact of *Lygus* bugs on cotton fiber yield and quality under supplemental and full irrigation production conditions. Beltwide Cotton Conferences, January 8-10, Austin, TX.
199. Hakeem, A., M. Parajulee, M. Toews, S. Vyavhare, K. Lewis, D. McCallister, and D. Dhakal. 2020. Managing early-season insect pests in dryland cotton. Beltwide Cotton Conferences, January 8-10, Austin, TX.
200. Wang, Q. Y., S. Liu, X. X. Guo, Z. Y. NanGong, and M. N. Parajulee. 2020. Histopathological effects of a protein complex purified from *Xenorhabdus nematophila* on the midgut of *Helicoverpa armigera* larvae. Beltwide Cotton Conferences, January 8-10, Austin, TX.
201. Parajulee, M. N., D. P. Dhakal, A. Hakeem, Z. NanGong, K. L. Lewis, and J. P. Bordovsky. 2020. Effect of nitrogen fertility rates on cotton crop response to cotton fleahopper damage. Beltwide Cotton Conferences, January 8-10, Austin, TX.

Regional/State Level

1. **Parajulee, M. N.**, J. E. Slosser, and E. P. Boring. 2000. Relationship between bollworm moth activity and lunar cycle: Application in pest management. Entomology Science Conference, October 31-November 2, College Station, TX.
2. **Parajulee, M. N.** 2001. Develop a dynamic model for describing and predicting cotton aphid population development. Cotton Incorporated Texas State Support Committee Annual Project Review, December 11, Lubbock, TX.
3. **Parajulee, M. N.** 2002. Overview of cotton entomology research in Lubbock. Entomology Science Conference, October 29-November 1, College Station, TX.
4. **Parajulee, M. N.** 2002. Develop a dynamic model for describing and predicting cotton aphid population development. Texas State Support Committee Annual Review, Dec. 17, Lubbock, TX.
5. **Parajulee, M. N.** 2003. Develop a dynamic model for describing and predicting cotton aphid population development. Cotton Incorporated Texas State Support Committee Annual Project Review, December 10-11, College Station, TX.
6. **Parajulee, M. N.** 2003. Factors affecting population abundance of *Lygus* species in Texas High Plains and development of *Lygus* sampling plan. Cotton Incorporated Texas State Support Committee Annual Project Review, December 10-11, College Station, TX.
7. **Parajulee, M. N.** 2003. Update on *Lygus* research in the Texas High Plains. Entomology Science Conference, October 29-November 1, College Station, TX.
8. **Parajulee, M. N.** 2004. Discussion on plant bug issues in Texas. Entomology Science Conference, October 26-28, College Station, TX.
9. **Parajulee, M. N.** 2004. Factors affecting population abundance of *Lygus* species in Texas High Plains and development of *Lygus* sampling plan. Cotton Incorporated Texas State Support Committee Annual Project Review, December 14-15, Lubbock, TX.
10. **Parajulee, M. N.** 2005. Validation of new COTMAN™ compensation capacity value for the Texas High Plains using plant bug induced square damage. Cotton Incorporated Texas State Support Committee Annual Project Review, December 13-14, Lubbock, TX.
11. **Parajulee, M. N.** 2005. *Lygus hesperus*: Host plant sequencing and host preference. Entomology Science Conference, October 26-28, College Station, TX.
12. **Parajulee, M. N.** and S.C. Carroll. 2006. Validation of new COTMAN™ compensation capacity value for the Texas High Plains using plant bug induced square damage. Cotton Incorporated Texas State Support Committee Annual Project Review, December 13-14, Lubbock, TX.
13. Barman, A. K., R. F. Medina, **M. N. Parajulee**, C. P. Suh, and C. G. Sansone. 2007. Host associated differentiation in cotton fleahopper, *Pseudatoscelis seriatus*. Entomology Science Conference,

- November 7-9, College Station, TX.
14. **Parajulee, M. N.**, S. C. Carroll, and D. L. Kerns. 2007. An overview of the Cotton Entomology Program at the Lubbock Center. Entomology Science Conference, November 7-9, College Station, TX.
 15. **Parajulee, M. N.** 2007. Validation of new COTMAN™ compensation capacity value for the Texas High Plains using plant bug induced square damage. Cotton Incorporated Texas State Support Committee Annual Project Review, December 4-5, Lubbock, TX.
 16. Chen, C. and **M. N. Parajulee**. 2008. Laboratory life history study of *Lygus hesperus* on different hosts. ESA Southwestern Branch Meeting, February 23-26, Ft. Worth, TX.
 17. Adhikari, M. B. and **M. N. Parajulee**. 2008. Relationship between cotton boll age and *Lygus* injury. ESA Southwestern Branch Meeting, February 23-26, Ft. Worth, TX.
 18. Carroll, S. C., **M. N. Parajulee**, M. D. Arnold. 2008. Host preference survey of stink bugs on Texas High Plains cotton, alfalfa, and prevalent weeds. ESA Southwestern Branch Meeting, February 23-26, Ft. Worth, TX.
 19. **Parajulee, M. N.**, A. K. Barman, R. B. Shrestha, C. Chen, A. Balachandran, and S. C. Carroll. 2008. Compensation of *Lygus*-induced fruit loss in cotton. ESA Southwestern Branch Meeting, February 23-26, Ft. Worth, TX.
 20. Kerns, D. L., **M. N. Parajulee**, and M. Vandiver. 2008. Developing an action threshold for thrips in irrigated cotton for the High Plains of Texas. ESA Southwestern Branch Meeting, February 23-26, Ft. Worth, TX.
 21. Adhikari, M. B., **M. N. Parajulee**, R. B. Shrestha, D. L. Kerns, and S. C. Carroll. 2008. Boll susceptibility threshold for *Lygus hesperus*: When is the boll safe? Entomology Science Conference, November 5-7, College Station, TX.
 22. Barman, A. K., R. F. Medina, **M. N. Parajulee**, C. G. Sansone, and C. Suh. 2008. Host associated genetic differentiation in cotton fleahopper, *Pseudatomoscelis seriatus* (Reuter), in Texas Entomology Science Conference, November 5-7, College Station, TX.
 23. **Parajulee, M. N.** and D. L. Kerns. 2008. Evaluation of western tarnished plant bug as a late season pest. Cotton Incorporated Texas State Support Committee Annual Project Review, December 16-17, Lubbock, TX.
 24. Shrestha, R. B., **M. N. Parajulee**, and S. C. Carroll. 2009. Challenges in tracking intercrop movement of *Lygus hesperus* between cotton and alfalfa. ESA Southwestern Branch Meeting, February 23-26, Stillwater, OK (oral competition, runner-up prize).
 25. **Parajulee, M. N.** and D. L. Kerns. 2009. Evaluation of western tarnished plant bug as a late season pest. Cotton Incorporated Texas State Support Committee Annual Review, Dec. 2-3, Lubbock, TX.
 26. Shrestha, R. B. and **M. N. Parajulee**. 2010. Optimization of indirect ELISA protocol for the detection of marker protein on *Lygus hesperus*. Entomological Society of America Southwestern Branch annual meeting, April 11-14, Cancun, Mexico.
 27. Carroll, S. C., **M. N. Parajulee**, M. B. Adhikari, and R. B. Shrestha. 2010. *Lygus hesperus* injury to maturing bolls: Effects on quality and quantity of cotton yield. Entomological Society of America Southwestern Branch annual meeting, April 11-14, Cancun, Mexico.
 28. Bastola, A., **M. N. Parajulee**, R. B. Shrestha, and S. C. Carroll. 2010. Population dynamics and intercrop movement behavior of convergent lady beetle in cotton-alfalfa agroecosystem. Entomological Society of America Southwestern Branch meeting, April 11-14, Cancun, Mexico.
 29. **Parajulee, M. N.**, S. C. Carroll, and R. B. Shrestha. 2010. Cotton entomology research and outreach in the Texas High Plains: A historic journey of the Texas A&M Lubbock Center. Entomological Society of America Southwestern Branch annual meeting, April 11-14, Cancun, Mexico.
 30. McSpadden, W. O, **M. N. Parajulee**, S. C. Carroll, and R. B. Shrestha. 2010. Effect of landscape level heterogeneity on the abundance of *Lygus hesperus* in cotton. Entomological Society of America Southwestern Branch annual meeting, April 11-14, Cancun, Mexico.
 31. Barman, A. K., **M. N. Parajulee**, C. G. Sansone, and R. F. Medina. 2010. Population genetic structure of *Pseudatomoscelis seriatus*: Interplay of geography and host plant species. Entomological Society of America Southwestern Branch annual meeting, April 11-14, Cancun, Mexico.
 32. Kerns, D., M. Muegge, and **M. Parajulee**. 2010. Development of a binomial sampling plan to estimate thrips populations in cotton to aid in IPM decision making. Entomological Society of America Southwestern Branch annual meeting, April 11-14, Cancun, Mexico.
 33. **Parajulee, M. N.** and D. L. Kerns. 2010. Evaluation of western tarnished plant bug as a late season pest. Cotton Inc. Texas State Support Committee Annual Review, December 1-2, Lubbock, TX.



34. Adhikari, K. D., R. B. Shrestha, and M. N. Parajulee. 2011. Challenges in *Lygus* species identification. Entomological Society of America Southwestern Branch annual meeting, March 7-11, Amarillo, TX.
35. Carroll, S. C., W. O. McSpadden, R. B. Shrestha, **M. N. Parajulee**, and D. L. Kerns. 2011. Effect of landscape characteristics on *Lygus* abundance in cotton. Entomological Society of America Southwestern Branch annual meeting, March 7-11, Amarillo, TX.
36. Fernando, E.A.J., **M. N. Parajulee**, W. O. McSpadden, R. B. Shrestha, S. C. Carroll. 2011. Evaluation of *Lygus hesperus* cold tolerance, overwintering survivorship, and spring emergence. Entomological Society of America Southwestern Branch annual meeting, March 7-11, Amarillo, TX.
37. Chen, F., and **M. N. Parajulee**. 2011. Effects of elevated CO₂ on the interspecific competition between two sympatric species, *Aphis gossypii* and *Bemisia tabaci*, fed on transgenic Bt cotton. Entomological Society of America Southwestern Branch annual meeting, March 7-11, Amarillo, TX.
38. Chen, F., and **M. N. Parajulee**. 2011. Specific responses of three key species of rice planthoppers to elevated CO₂ and temperature. Entomological Society of America Southwestern Branch annual meeting, March 7-11, Amarillo, TX.
39. McSpadden, W. O., **M. N. Parajulee**, R. B. Shrestha, S. C. Carroll, F. Chen. 2011. Cotton cultivar compensatory response to *Lygus*-induced fruit loss under low and high irrigation. Entomological Society of America Southwestern Branch annual meeting, March 7-11, Amarillo, TX.
40. **Parajulee, M. N.**, R. J. Kelsey, R. B. Shrestha, S. C. Carroll, D. L. Kerns. 2011. Effect of nitrogen fertility on arthropod pests in cotton. Entomological Society of America Southwestern Branch annual meeting, March 7-11, Amarillo, TX.
41. Shrestha, R. B., and **M. N. Parajulee**. 2011. Amplified length polymorphism (AFLP): "The ideal marker" for genetic diversity studies of *Lygus hesperus*. Entomological Society of America Southwestern Branch annual meeting, March 7-11, Amarillo, TX.
42. **Parajulee, M. N.** and D. L. Kerns. 2011. Evaluation of western tarnished plant bug as a late season pest. Cotton Inc. Texas State Support Committee Annual Review, December 1-2, Lubbock, TX.
43. **Parajulee, M. N.** 2012. Insect pest management in Texas High Plains cotton. Plains Cotton Improvement Committee Annual Review, March 7, Lubbock, TX.
44. **Parajulee, M. N.** and R. B. Shrestha. 2012. Development of economic threshold and management recommendations for *Lygus* in Texas High Plains cotton. Cotton Inc. Texas State Support Committee Annual Review, December 4-5, Lubbock, TX.
45. **Parajulee, M. N.** 2013. Development of economic threshold and management recommendations for *Lygus* in Texas High Plains cotton. Cotton Inc. Texas State Support Committee Annual Review, December 4-5, Lubbock, TX.
46. Hakeem, A., **M. Parajulee**, J. Dever, M. Arnold, S. Carroll, and R. Norman. 2014. Impact of different densities of western flower thrips, *Frankliniella occidentalis* (Pergande) (Thysanoptera: Thripidae), on seedling cotton. Entomological Society of America Southwestern Branch annual meeting, February 24-27, San Antonio, TX.
47. **Parajulee, M.**, A. Hakeem, S. Carroll, and R. Norman. 2014. Density-dependent *Lygus hesperus* (Hemiptera: Miridae) injury to maturing bolls in Texas cotton. Entomological Society of America Southwestern Branch annual meeting, February 24-27, San Antonio, TX.
48. Ganapathy, S., **M. N. Parajulee**, H. Zhang, and S. L. Bilimoria. 2014. Transient expression of a viral insecticide in plants. Texas Tech Graduate School Poster Competition, March 7, Lubbock, TX (3rd place recognition).
49. Ganapathy, S., **M. N. Parajulee**, H. Zhang, and S. L. Bilimoria. 2014. Evaluation of a modified viral insecticidal gene using an *Agrobacterium*-mediated transient expression system in tobacco. Texas Tech Annual Biological Sciences Symposium, March 28-29, Lubbock, TX (Best presentation award).
50. **Parajulee, M. N.** 2014. Development of economic threshold and management recommendations for *Lygus* in Texas High Plains cotton. Cotton Inc. Texas State Support Committee Annual Review, December 3-4, Lubbock, TX.
51. Harrell, K., A. Barman, **M. Parajulee**, G. Sword, and G. Morgan. 2014. Efficacy of neonicotinoid seed treatments on thrips in cotton. Texas Plant Protection Conference, December 10-11, Bryan, TX (Best Poster Award).
52. Hakeem, A., and **M. N. Parajulee**. 2015. Management of western flower thrips in the Texas High Plains. ESA Southwestern Branch annual meeting, February 23-26, Tulsa, OK.
53. Hakeem, A., **M. N. Parajulee**, S. D. Coyle, and S. C. Carroll. 2016. Impact of cotton fleahoppers on cotton yield under varying nitrogen levels. ESA-Southwestern Branch annual meeting, February 22-25,

Tyler, TX.

54. Hakeem, A., **M. N. Parajulee**, and S. D. Coyle. 2016. Integrated management of sugarcane aphids in the Texas High Plains. ESA-Southwestern Branch annual meeting, February 22-25, Tyler, TX.
55. Coyle, S., A. Hakeem, M. Brewer, and **M. N. Parajulee**. 2016. Impact of varying water levels on cotton fleahopper management in Texas cotton. ESA-Southwestern Branch annual meeting, February 22-25, Tyler, TX.
56. Dhakal, C. K., **M. N. Parajulee**, K. Y. Lange, and E. Segarra. 2016. Economics of decision-making on cotton fleahopper management in Texas High Plains cotton. ESA-Southwestern Branch annual meeting, February 22-25, Tyler, TX.
57. Carroll, S. C., and **M. N. Parajulee**. 2016. Seasonal abundance patterns of bollworm, tobacco budworm, and beet armyworm moths in the Texas High Plains. ESA-Southwestern Branch annual meeting, February 22-25, Tyler, TX.
58. **Parajulee, M. N.**, and A. Hakeem. 2017. Cotton fleahopper management under varying irrigation water levels in the Texas Southern High Plains. ESA-Southwestern Branch Annual Meeting, March 10-13, Austin, TX.
59. Hakeem, A., and **M. N. Parajulee**. 2017. Evaluation of thrips damage potential in Texas Southern High Plains cotton. ESA-Southwestern Branch Annual Meeting, March 10-13, Austin, TX.
60. **Parajulee, M. N.**, and S. Carroll. 2019. Survey of possible incidence of *Helicoverpa armigera* invasion in Texas. ESA-Southwestern Branch Annual Meeting, April 14-18, Tulsa, OK.
59. Hakeem, A., **M. N. Parajulee**, S. Vyavhare, and K. Lewis. 2019. Management of early-season insect pests in Texas High Plains cotton: Transitioning to dryland production. ESA-Southwestern Branch Annual Meeting, April 14-18, Tulsa, OK.

X. Professional Honors and Awards

- Selected to serve as a *Science Education Fellow (SEF) mentor* at the Howard Hughes Medical Institute's Center for the Integration of Science Education and Research, 2003. Selection to SEF mentorship is the recognition of teaching excellence at Texas Tech University.
- *Vice Chancellor's Award in Research Excellence* (2008), Texas A&M University, College Station, Texas.
- *Plenary Speaker Recognition at the International Congress of Biodiversity* (2009), Bharathiar University, Coimbatore, India.
- *Texas A&M AgriLife Research Faculty Fellow* (2009), Texas A&M University, College Station, Texas.
- *Recognition of Exceptional Service as ESA National Program Co-Chair* (2010), Entomological Society of America, Lanham, MD.
- *Recognition of Exceptional Service as President* (2010), Society of Southwestern Entomologists Executive Committee, Dallas, TX.
- *Jewel of Nation Award* (2011), Everest Foundation, Kathmandu, Nepal. This award recognizes the professional success and international service by Nepalese expatriates or foreign citizens in Nepal.
- *Texas A&M Regents Fellow* (2011), Texas A&M University System Board of Regents.
- *Keynote/Lead Speaker at the International Conference on Food Security vis-à-vis Pest Management* (2012), Kalyani, West Bengal, India.
- *Plenary Speaker at the Fourth Biopesticide International Conference* (2013), Palayamkottai, Tamil Nadu, India.
- *Plenary Speaker at the Third International Congress of Global Warming on Biodiversity of Insects* (2013), Coimbatore, Tamil Nadu, India.
- *Plenary Speaker at the XII Reunión de la Asociación Latinoamericana de Investigación y Desarrollo del Algodón (ALIDA)* (2013), Cartagena, Colombia.
- *Fulbright Senior Fellow at Nepal Agricultural Research Council/Tribhuvan University, Kathmandu, Nepal* (2014), Council for International Exchange of Scholars, Department of State; five-month research/teaching award.
- *Keynote Speaker at the Xth European Congress of Entomology* (2014), York, England.
- *Vice Chancellor's Award in Research Excellence for Team Collaboration* (2015), Texas A&M University, College Station, Texas.
- *Plenary Speaker at the Corporación Colombiana de Investigación Agropecuaria Seminario*



- Internacional (2016), Ibagué, Colombia.*
- *Keynote Speaker at the First International Conference on Integrated Pest Management (2017), Changsha, China.*
 - *Lead Speaker at the International Plant Protection Congress (2019), Hyderabad, India.*
 - *USAID Advisor for Curriculum Development for Higher Education at Tribhuvan University, Nepal (2019). Two-week assignment.*
 - *Invited Organizer (2020), Food Security through Agriculture Transformation Symposium, Second National Knowledge Convention, Denver, CO (virtual).*
 - *Invited Speaker and Panelist (2020), Second Global Knowledge Convention, Kathmandu, Nepal (virtual).*

